



The Inspired Specialist



GOAL SCIENTIFIC GLASS WORKS LTD.

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ISO 9001:2015 CLASS





KILOBITS AND KILobytes
Apr 2007



KILOBITS, KILobytes AND KILOMILES
Apr 2007



KILOBITS
Apr 2006



KILOBITS AND KILobytes
Apr 07



KILOBITS
Apr 2007



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KILOBITS
Apr 2006



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GENERAL INFORMATION

INTRODUCTION

This is a preliminary document. It is not intended to be used as a final contract. It is subject to change without notice. It is not intended to be used as a contract.

It is the policy of the company to provide the best possible service to its customers. It is the policy of the company to provide the best possible service to its customers.

TERMS

The company shall be bound by the terms and conditions of the contract. It shall be bound by the terms and conditions of the contract.

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TERMS AND CONDITIONS

SCOPE OF WORK

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XTRONG

INTRODUCTION

Chúng tôi nhận được nhiều lời khen ngợi, đồng thời cũng nhận được nhiều lời chỉ trích về độ chính xác của các máy đo.

Chúng tôi nhận được nhiều lời khen ngợi về việc chúng tôi đang nhận được một số chỉ trích về việc chúng tôi đang không thể đo được độ chính xác của các máy đo. Chúng tôi nhận được nhiều lời khen ngợi về việc chúng tôi đang nhận được một số chỉ trích về việc chúng tôi đang không thể đo được độ chính xác của các máy đo.

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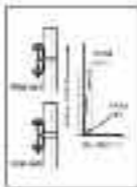
Chúng tôi nhận được nhiều lời khen ngợi về việc chúng tôi đang nhận được một số chỉ trích về việc chúng tôi đang không thể đo được độ chính xác của các máy đo.

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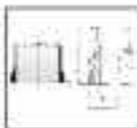
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2. TABLES OF RESULTS

Series	1	2	3	4	5	6	7	8	9
1000	10	20	30	40	50	60	70	80	90
2000	20	40	60	80	100	120	140	160	180
3000	30	60	90	120	150	180	210	240	270
4000	40	80	120	160	200	240	280	320	360
5000	50	100	150	200	250	300	350	400	450
6000	60	120	180	240	300	360	420	480	540
7000	70	140	210	280	350	420	490	560	630
8000	80	160	240	320	400	480	560	640	720
9000	90	180	270	360	450	540	630	720	810
10000	100	200	300	400	500	600	700	800	900



Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

• Lowest possible VOC: 100 g/L (3.5 oz/gal)	• High modulus: 1000 MPa (145,000 psi)
• Lowest possible GWP: 100 g/L (3.5 oz/gal)	• High impact: 1000 J/m ² (610 ft-lb/in)
• Lowest possible odor: 100 g/L (3.5 oz/gal)	• High strength: 100 MPa (14,500 psi)

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating. It is a high-strength, high-modulus, and high-impact polyurethane coating.

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

TECHNICAL INFORMATION

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

• Lowest possible VOC: 100 g/L (3.5 oz/gal)	• High modulus: 1000 MPa (145,000 psi)
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TECHNICAL INFORMATION

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating. It is a high-strength, high-modulus, and high-impact polyurethane coating.

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Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

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TECHNICAL INFORMATION

Environ: 200 is a water-repellent, low-odor, low-VOC, low-GWP, and low-temperature-curable, high-strength, high-modulus, and high-impact polyurethane coating.

• Lowest possible VOC: 100 g/L (3.5 oz/gal)	• High modulus: 1000 MPa (145,000 psi)
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TECHNICAL INFORMATION

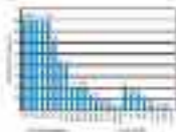
FINISHED CYCLING CONDITION

Refer to the following figures:

Figures 1 and 2 show the typical load and speed characteristics of the powertrain.

Fig. 1 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 1. The load and speed characteristics of the powertrain are shown in Fig. 1.

Fig. 2 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 2.



Typical Operation

The typical operation of the powertrain is shown in Fig. 1. The load and speed characteristics of the powertrain are shown in Fig. 1. The load and speed characteristics of the powertrain are shown in Fig. 1.

Fig. 2 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 2.

Fig. 3 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 3.

Fig. 4 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 4.

SAFETY CHARACTERISTICS

The safety characteristics of the powertrain are shown in Fig. 5. The safety characteristics of the powertrain are shown in Fig. 5.

COMPLETION METHOD

The completion method of the powertrain is shown in Fig. 6. The completion method of the powertrain is shown in Fig. 6.

The completion method of the powertrain is shown in Fig. 7. The completion method of the powertrain is shown in Fig. 7.

Quality Control

The quality control of the powertrain is shown in Fig. 8. The quality control of the powertrain is shown in Fig. 8.

The quality control of the powertrain is shown in Fig. 9. The quality control of the powertrain is shown in Fig. 9.

Fig. 10 shows the typical load and speed characteristics of the powertrain. The load and speed characteristics of the powertrain are shown in Fig. 10.

FINISHED CYCLING CONDITION

Speed (km/h)	Typical Operation	
	Load (kg)	Speed (km/h)
0	0	0
10	100	10
20	80	20
30	60	30
40	40	40
50	20	50
60	10	60
70	5	70
80	2	80
90	1	90
100	0	100
110	0	110
120	0	120
130	0	130
140	0	140
150	0	150
160	0	160
170	0	170
180	0	180
190	0	190
200	0	200

The safety characteristics of the powertrain are shown in Fig. 11. The safety characteristics of the powertrain are shown in Fig. 11.

PIPELINE COMPONENTS



Il Gruppo GMI, con oltre 100 anni di esperienza, è leader mondiale nella produzione di componenti per pipeline e infrastrutture industriali.

- Soluzioni complete per la progettazione, la produzione e l'installazione di componenti per pipeline, infrastrutture industriali e impianti di raffinazione.
- Produzione di componenti per pipeline in acciaio, alluminio e titanio.
- Soluzioni complete per la progettazione, la produzione e l'installazione di componenti per pipeline e infrastrutture industriali.

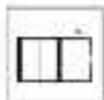
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PIPELINE COMPONENTS

3 IN (3R)

Technical drawing of a 3 in (3R) pipe

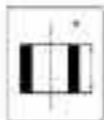
NO	QTY	UNIT	DESCRIPTION	NO	QTY	UNIT	DESCRIPTION
1	1	EA	PIPE	2	1	EA	PIPE
3	1	EA	FLANGE	4	1	EA	FLANGE
5	1	EA	FLANGE	6	1	EA	FLANGE
7	1	EA	FLANGE	8	1	EA	FLANGE
9	1	EA	FLANGE	10	1	EA	FLANGE



Technical drawing of a 3 in (3R) pipe

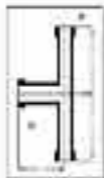
5 IN (5R)

NO	QTY	UNIT	DESCRIPTION	NO	QTY	UNIT	DESCRIPTION
1	1	EA	PIPE	2	1	EA	PIPE
3	1	EA	FLANGE	4	1	EA	FLANGE
5	1	EA	FLANGE	6	1	EA	FLANGE
7	1	EA	FLANGE	8	1	EA	FLANGE
9	1	EA	FLANGE	10	1	EA	FLANGE



8 IN (8R)

NO	QTY	UNIT	DESCRIPTION	NO	QTY	UNIT	DESCRIPTION
1	1	EA	PIPE	2	1	EA	PIPE
3	1	EA	FLANGE	4	1	EA	FLANGE
5	1	EA	FLANGE	6	1	EA	FLANGE
7	1	EA	FLANGE	8	1	EA	FLANGE
9	1	EA	FLANGE	10	1	EA	FLANGE
11	1	EA	FLANGE	12	1	EA	FLANGE
13	1	EA	FLANGE	14	1	EA	FLANGE
15	1	EA	FLANGE	16	1	EA	FLANGE



Technical drawing of a 3 in (3R) pipe



PIPELINE COMPONENTS

UNEQUAL TEES

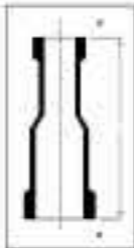


SIZE	NO.	WGT	IN.	IN.
1/2" x 1/2"	1	2	1/2	1/2
1/2" x 3/4"	2	3	1/2	3/4
1/2" x 1"	3	4	1/2	1
3/4" x 1/2"	4	3	3/4	1/2
3/4" x 3/4"	5	4	3/4	3/4
3/4" x 1"	6	5	3/4	1
1" x 1/2"	7	5	1	1/2
1" x 3/4"	8	6	1	3/4
1" x 1"	9	7	1	1
1 1/2" x 1/2"	10	10	1 1/2	1/2
1 1/2" x 3/4"	11	11	1 1/2	3/4
1 1/2" x 1"	12	12	1 1/2	1
2" x 1/2"	13	13	2	1/2
2" x 3/4"	14	14	2	3/4
2" x 1"	15	15	2	1
2 1/2" x 1/2"	16	17	2 1/2	1/2
2 1/2" x 3/4"	17	18	2 1/2	3/4
2 1/2" x 1"	18	19	2 1/2	1
3" x 1/2"	19	19	3	1/2
3" x 3/4"	20	20	3	3/4
3" x 1"	21	21	3	1
3 1/2" x 1/2"	22	22	3 1/2	1/2
3 1/2" x 3/4"	23	23	3 1/2	3/4
3 1/2" x 1"	24	24	3 1/2	1
4" x 1/2"	25	25	4	1/2
4" x 3/4"	26	26	4	3/4
4" x 1"	27	27	4	1
4 1/2" x 1/2"	28	28	4 1/2	1/2
4 1/2" x 3/4"	29	29	4 1/2	3/4
4 1/2" x 1"	30	30	4 1/2	1
5" x 1/2"	31	31	5	1/2
5" x 3/4"	32	32	5	3/4
5" x 1"	33	33	5	1
5 1/2" x 1/2"	34	34	5 1/2	1/2
5 1/2" x 3/4"	35	35	5 1/2	3/4
5 1/2" x 1"	36	36	5 1/2	1
6" x 1/2"	37	37	6	1/2
6" x 3/4"	38	38	6	3/4
6" x 1"	39	39	6	1
6 1/2" x 1/2"	40	40	6 1/2	1/2
6 1/2" x 3/4"	41	41	6 1/2	3/4
6 1/2" x 1"	42	42	6 1/2	1
7" x 1/2"	43	43	7	1/2
7" x 3/4"	44	44	7	3/4
7" x 1"	45	45	7	1
7 1/2" x 1/2"	46	46	7 1/2	1/2
7 1/2" x 3/4"	47	47	7 1/2	3/4
7 1/2" x 1"	48	48	7 1/2	1
8" x 1/2"	49	49	8	1/2
8" x 3/4"	50	50	8	3/4
8" x 1"	51	51	8	1
8 1/2" x 1/2"	52	52	8 1/2	1/2
8 1/2" x 3/4"	53	53	8 1/2	3/4
8 1/2" x 1"	54	54	8 1/2	1
9" x 1/2"	55	55	9	1/2
9" x 3/4"	56	56	9	3/4
9" x 1"	57	57	9	1
9 1/2" x 1/2"	58	58	9 1/2	1/2
9 1/2" x 3/4"	59	59	9 1/2	3/4
9 1/2" x 1"	60	60	9 1/2	1
10" x 1/2"	61	61	10	1/2
10" x 3/4"	62	62	10	3/4
10" x 1"	63	63	10	1
10 1/2" x 1/2"	64	64	10 1/2	1/2
10 1/2" x 3/4"	65	65	10 1/2	3/4
10 1/2" x 1"	66	66	10 1/2	1
11" x 1/2"	67	67	11	1/2
11" x 3/4"	68	68	11	3/4
11" x 1"	69	69	11	1
11 1/2" x 1/2"	70	70	11 1/2	1/2
11 1/2" x 3/4"	71	71	11 1/2	3/4
11 1/2" x 1"	72	72	11 1/2	1
12" x 1/2"	73	73	12	1/2
12" x 3/4"	74	74	12	3/4
12" x 1"	75	75	12	1
12 1/2" x 1/2"	76	76	12 1/2	1/2
12 1/2" x 3/4"	77	77	12 1/2	3/4
12 1/2" x 1"	78	78	12 1/2	1
13" x 1/2"	79	79	13	1/2
13" x 3/4"	80	80	13	3/4
13" x 1"	81	81	13	1
13 1/2" x 1/2"	82	82	13 1/2	1/2
13 1/2" x 3/4"	83	83	13 1/2	3/4
13 1/2" x 1"	84	84	13 1/2	1
14" x 1/2"	85	85	14	1/2
14" x 3/4"	86	86	14	3/4
14" x 1"	87	87	14	1
14 1/2" x 1/2"	88	88	14 1/2	1/2
14 1/2" x 3/4"	89	89	14 1/2	3/4
14 1/2" x 1"	90	90	14 1/2	1
15" x 1/2"	91	91	15	1/2
15" x 3/4"	92	92	15	3/4
15" x 1"	93	93	15	1
15 1/2" x 1/2"	94	94	15 1/2	1/2
15 1/2" x 3/4"	95	95	15 1/2	3/4
15 1/2" x 1"	96	96	15 1/2	1
16" x 1/2"	97	97	16	1/2
16" x 3/4"	98	98	16	3/4
16" x 1"	99	99	16	1
16 1/2" x 1/2"	100	100	16 1/2	1/2
16 1/2" x 3/4"	101	101	16 1/2	3/4
16 1/2" x 1"	102	102	16 1/2	1
17" x 1/2"	103	103	17	1/2
17" x 3/4"	104	104	17	3/4
17" x 1"	105	105	17	1
17 1/2" x 1/2"	106	106	17 1/2	1/2
17 1/2" x 3/4"	107	107	17 1/2	3/4
17 1/2" x 1"	108	108	17 1/2	1
18" x 1/2"	109	109	18	1/2
18" x 3/4"	110	110	18	3/4
18" x 1"	111	111	18	1
18 1/2" x 1/2"	112	112	18 1/2	1/2
18 1/2" x 3/4"	113	113	18 1/2	3/4
18 1/2" x 1"	114	114	18 1/2	1
19" x 1/2"	115	115	19	1/2
19" x 3/4"	116	116	19	3/4
19" x 1"	117	117	19	1
19 1/2" x 1/2"	118	118	19 1/2	1/2
19 1/2" x 3/4"	119	119	19 1/2	3/4
19 1/2" x 1"	120	120	19 1/2	1
20" x 1/2"	121	121	20	1/2
20" x 3/4"	122	122	20	3/4
20" x 1"	123	123	20	1
20 1/2" x 1/2"	124	124	20 1/2	1/2
20 1/2" x 3/4"	125	125	20 1/2	3/4
20 1/2" x 1"	126	126	20 1/2	1
21" x 1/2"	127	127	21	1/2
21" x 3/4"	128	128	21	3/4
21" x 1"	129	129	21	1
21 1/2" x 1/2"	130	130	21 1/2	1/2
21 1/2" x 3/4"	131	131	21 1/2	3/4
21 1/2" x 1"	132	132	21 1/2	1
22" x 1/2"	133	133	22	1/2
22" x 3/4"	134	134	22	3/4
22" x 1"	135	135	22	1
22 1/2" x 1/2"	136	136	22 1/2	1/2
22 1/2" x 3/4"	137	137	22 1/2	3/4
22 1/2" x 1"	138	138	22 1/2	1
23" x 1/2"	139	139	23	1/2
23" x 3/4"	140	140	23	3/4
23" x 1"	141	141	23	1
23 1/2" x 1/2"	142	142	23 1/2	1/2
23 1/2" x 3/4"	143	143	23 1/2	3/4
23 1/2" x 1"	144	144	23 1/2	1
24" x 1/2"	145	145	24	1/2
24" x 3/4"	146	146	24	3/4
24" x 1"	147	147	24	1
24 1/2" x 1/2"	148	148	24 1/2	1/2
24 1/2" x 3/4"	149	149	24 1/2	3/4
24 1/2" x 1"	150	150	24 1/2	1
25" x 1/2"	151	151	25	1/2
25" x 3/4"	152	152	25	3/4
25" x 1"	153	153	25	1
25 1/2" x 1/2"	154	154	25 1/2	1/2
25 1/2" x 3/4"	155	155	25 1/2	3/4
25 1/2" x 1"	156	156	25 1/2	1
26" x 1/2"	157	157	26	1/2
26" x 3/4"	158	158	26	3/4
26" x 1"	159	159	26	1
26 1/2" x 1/2"	160	160	26 1/2	1/2
26 1/2" x 3/4"	161	161	26 1/2	3/4
26 1/2" x 1"	162	162	26 1/2	1
27" x 1/2"	163	163	27	1/2
27" x 3/4"	164	164	27	3/4
27" x 1"	165	165	27	1
27 1/2" x 1/2"	166	166	27 1/2	1/2
27 1/2" x 3/4"	167	167	27 1/2	3/4
27 1/2" x 1"	168	168	27 1/2	1
28" x 1/2"	169	169	28	1/2
28" x 3/4"	170	170	28	3/4
28" x 1"	171	171	28	1
28 1/2" x 1/2"	172	172	28 1/2	1/2
28 1/2" x 3/4"	173	173	28 1/2	3/4
28 1/2" x 1"	174	174	28 1/2	1
29" x 1/2"	175	175	29	1/2
29" x 3/4"	176	176	29	3/4
29" x 1"	177	177	29	1
29 1/2" x 1/2"	178	178	29 1/2	1/2
29 1/2" x 3/4"	179	179	29 1/2	3/4
29 1/2" x 1"	180	180	29 1/2	1
30" x 1/2"	181	181	30	1/2
30" x 3/4"	182	182	30	3/4
30" x 1"	183	183	30	1
30 1/2" x 1/2"	184	184	30 1/2	1/2
30 1/2" x 3/4"	185	185	30 1/2	3/4
30 1/2" x 1"	186	186	30 1/2	1
31" x 1/2"	187	187	31	1/2
31" x 3/4"	188	188	31	3/4
31" x 1"	189	189	31	1
31 1/2" x 1/2"	190	190	31 1/2	1/2
31 1/2" x 3/4"	191	191	31 1/2	3/4
31 1/2" x 1"	192	192	31 1/2	1
32" x 1/2"	193	193	32	1/2
32" x 3/4"	194	194	32	3/4
32" x 1"	195	195	32	1
32 1/2" x 1/2"	196	196	32 1/2	1/2
32 1/2" x 3/4"	197	197	32 1/2	3/4
32 1/2" x 1"	198	198	32 1/2	1
33" x 1/2"	199	199	33	1/2
33" x 3/4"	200	200	33	3/4
33" x 1"	201	201	33	1
33 1/2" x 1/2"	202	202	33 1/2	1/2
33 1/2" x 3/4"	203	203	33 1/2	3/4
33 1/2" x 1"	204	204	33 1/2	1
34" x 1/2"	205	205	34	1/2
34" x 3/4"	206	206	34	3/4
34" x 1"	207	207	34	1
34 1/2" x 1/2"	208	208	34 1/2	1/2
34 1/2" x 3/4"	209	209	34 1/2	3/4
34 1/2" x 1"	210	210	34 1/2	1
35" x 1/2"	211	211	35	1/2
35" x 3/4"	212	212	35	3/4
35" x 1"	213	213	35	1
35 1/2" x 1/2"	214	214	35 1/2	1/2
35 1/2" x 3/4"	215	215	35 1/2	3/4
35 1/2" x 1"	216	216	35 1/2	1
36" x 1/2"	217	217	36	1/2
36" x 3/4"	218	218	36	3/4
36" x 1"	219	219	36	1
36 1/2" x 1/2"	220	220	36 1/2	1/2
36 1/2" x 3/4"	221	221	36 1/2	3/4
36 1/2" x 1"	222	222	36 1/2	1
37" x 1/2"	223	223	37	1/2
37" x 3/4"	224	224	37	3/4
37" x 1"	225	225	37	1
37 1/2" x 1/2"	226	226	37 1/2	1/2
37 1/2" x 3/4"	227	227	37 1/2	3/4
37 1/2" x 1"	228	228	37 1/2	1
38" x 1/2"	229	229	38	1/2
38" x 3/4"	230	230	38	3/4
38" x 1"	231	231	38	1
38 1/2" x 1/2"	232	232	38 1/2	1/2
38 1/2" x 3/4"	233	233	38 1/2	3/4
38 1/2" x 1"	234	234	38 1/2	1
39" x 1/2"	235	235	39	1/2
39" x 3/4"	236	236	39	3/4
39" x 1"	237	237	39	1
39 1/2" x 1/2"	238	238	39 1/2	1/2
39 1/2" x 3/4"	239	239	39 1/2	3/4
39 1/2" x 1"	240	240	39 1/2	

PIPELINE COMPONENTS

BIDUCOS

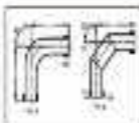
Model	Ø1	Ø2	Ø3
790	11	11	11
791	17	17	17
810	25	25	25
811	32	32	32
812	40	40	40
813	50	50	50
814	63	63	63
815	80	80	80
816	100	100	100
817	125	125	125
818	160	160	160
819	200	200	200
820	250	250	250
821	315	315	315
822	400	400	400
823	500	500	500
824	630	630	630
825	800	800	800
826	1000	1000	1000
827	1250	1250	1250
828	1600	1600	1600
829	2000	2000	2000
830	2500	2500	2500
831	3150	3150	3150
832	4000	4000	4000
833	5000	5000	5000
834	6300	6300	6300
835	8000	8000	8000
836	10000	10000	10000
837	12500	12500	12500
838	16000	16000	16000
839	20000	20000	20000
840	25000	25000	25000
841	31500	31500	31500
842	40000	40000	40000
843	50000	50000	50000
844	63000	63000	63000
845	80000	80000	80000
846	100000	100000	100000
847	125000	125000	125000
848	160000	160000	160000
849	200000	200000	200000
850	250000	250000	250000
851	315000	315000	315000
852	400000	400000	400000
853	500000	500000	500000
854	630000	630000	630000
855	800000	800000	800000
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860	2500000	2500000	2500000
861	3150000	3150000	3150000
862	4000000	4000000	4000000
863	5000000	5000000	5000000
864	6300000	6300000	6300000
865	8000000	8000000	8000000
866	10000000	10000000	10000000
867	12500000	12500000	12500000
868	16000000	16000000	16000000
869	20000000	20000000	20000000
870	25000000	25000000	25000000
871	31500000	31500000	31500000
872	40000000	40000000	40000000
873	50000000	50000000	50000000
874	63000000	63000000	63000000
875	80000000	80000000	80000000
876	100000000	100000000	100000000
877	125000000	125000000	125000000
878	160000000	160000000	160000000
879	200000000	200000000	200000000
880	250000000	250000000	250000000
881	315000000	315000000	315000000
882	400000000	400000000	400000000
883	500000000	500000000	500000000
884	630000000	630000000	630000000
885	800000000	800000000	800000000
886	1000000000	1000000000	1000000000
887	1250000000	1250000000	1250000000
888	1600000000	1600000000	1600000000
889	2000000000	2000000000	2000000000
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891	3150000000	3150000000	3150000000
892	4000000000	4000000000	4000000000
893	5000000000	5000000000	5000000000
894	6300000000	6300000000	6300000000
895	8000000000	8000000000	8000000000
896	10000000000	10000000000	10000000000
897	12500000000	12500000000	12500000000
898	16000000000	16000000000	16000000000
899	20000000000	20000000000	20000000000
900	25000000000	25000000000	25000000000
901	31500000000	31500000000	31500000000
902	40000000000	40000000000	40000000000
903	50000000000	50000000000	50000000000
904	63000000000	63000000000	63000000000
905	80000000000	80000000000	80000000000
906	100000000000	100000000000	100000000000
907	125000000000	125000000000	125000000000
908	160000000000	160000000000	160000000000
909	200000000000	200000000000	200000000000
910	250000000000	250000000000	250000000000
911	315000000000	315000000000	315000000000
912	400000000000	400000000000	400000000000
913	500000000000	500000000000	500000000000
914	630000000000	630000000000	630000000000
915	800000000000	800000000000	800000000000
916	1000000000000	1000000000000	1000000000000
917	1250000000000	1250000000000	1250000000000
918	1600000000000	1600000000000	1600000000000
919	2000000000000	2000000000000	2000000000000
920	2500000000000	2500000000000	2500000000000
921	3150000000000	3150000000000	3150000000000
922	4000000000000	4000000000000	4000000000000
923	5000000000000	5000000000000	5000000000000
924	6300000000000	6300000000000	6300000000000
925	8000000000000	8000000000000	8000000000000
926	10000000000000	10000000000000	10000000000000
927	12500000000000	12500000000000	12500000000000
928	16000000000000	16000000000000	16000000000000
929	20000000000000	20000000000000	20000000000000
930	25000000000000	25000000000000	25000000000000
931	31500000000000	31500000000000	31500000000000
932	40000000000000	40000000000000	40000000000000
933	50000000000000	50000000000000	50000000000000
934	63000000000000	63000000000000	63000000000000
935	80000000000000	80000000000000	80000000000000
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937	125000000000000	125000000000000	125000000000000
938	160000000000000	160000000000000	160000000000000
939	200000000000000	200000000000000	200000000000000
940	250000000000000	250000000000000	250000000000000
941	315000000000000	315000000000000	315000000000000
942	400000000000000	400000000000000	400000000000000
943	500000000000000	500000000000000	500000000000000
944	630000000000000	630000000000000	630000000000000
945	800000000000000	800000000000000	800000000000000
946	1000000000000000	1000000000000000	1000000000000000
947	1250000000000000	1250000000000000	1250000000000000
948	1600000000000000	1600000000000000	1600000000000000
949	2000000000000000	2000000000000000	2000000000000000
950	2500000000000000	2500000000000000	2500000000000000
951	3150000000000000	3150000000000000	3150000000000000
952	4000000000000000	4000000000000000	4000000000000000
953	5000000000000000	5000000000000000	5000000000000000
954	6300000000000000	6300000000000000	6300000000000000
955	8000000000000000	8000000000000000	8000000000000000
956	10000000000000000	10000000000000000	10000000000000000
957	12500000000000000	12500000000000000	12500000000000000
958	16000000000000000	16000000000000000	16000000000000000
959	20000000000000000	20000000000000000	20000000000000000
960	25000000000000000	25000000000000000	25000000000000000
961	31500000000000000	31500000000000000	31500000000000000
962	40000000000000000	40000000000000000	40000000000000000
963	50000000000000000	50000000000000000	50000000000000000
964	63000000000000000	63000000000000000	63000000000000000
965	80000000000000000	80000000000000000	80000000000000000
966	100000000000000000	100000000000000000	100000000000000000
967	125000000000000000	125000000000000000	125000000000000000
968	160000000000000000	160000000000000000	160000000000000000
969	200000000000000000	200000000000000000	200000000000000000
970	250000000000000000	250000000000000000	250000000000000000
971	315000000000000000	315000000000000000	315000000000000000
972	400000000000000000	400000000000000000	400000000000000000
973	500000000000000000	500000000000000000	500000000000000000
974	630000000000000000	630000000000000000	630000000000000000
975	800000000000000000	800000000000000000	800000000000000000
976	1000000000000000000	1000000000000000000	1000000000000000000
977	1250000000000000000	1250000000000000000	1250000000000000000
978	1600000000000000000	1600000000000000000	1600000000000000000
979	2000000000000000000	2000000000000000000	2000000000000000000
980	2500000000000000000	2500000000000000000	2500000000000000000
981	3150000000000000000	3150000000000000000	3150000000000000000
982	4000000000000000000	4000000000000000000	4000000000000000000
983	5000000000000000000	5000000000000000000	5000000000000000000
984	6300000000000000000	6300000000000000000	6300000000000000000
985	8000000000000000000	8000000000000000000	8000000000000000000
986	10000000000000000000	10000000000000000000	10000000000000000000
987	12500000000000000000	12500000000000000000	12500000000000000000
988	16000000000000000000	16000000000000000000	16000000000000000000
989	20000000000000000000	20000000000000000000	20000000000000000000
990	25000000000000000000	25000000000000000000	25000000000000000000
991	31500000000000000000	31500000000000000000	31500000000000000000
992	40000000000000000000	40000000000000000000	40000000000000000000
993	50000000000000000000	50000000000000000000	50000000000000000000
994	63000000000000000000	63000000000000000000	63000000000000000000
995	80000000000000000000	80000000000000000000	80000000000000000000
996	100000000000000000000	100000000000000000000	100000000000000000000
997	125000000000000000000	125000000000000000000	125000000000000000000
998	160000000000000000000	160000000000000000000	160000000000000000000
999	200000000000000000000	200000000000000000000	200000000000000000000
1000	250000000000000000000	250000000000000000000	250000000000000000000





PIPELINE COMPONENTS

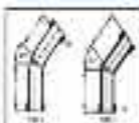
ØDN65 90°



TYPE	DN	DN	DN	DN
100	65	65	65	65
101	65	65	65	65
102	65	65	65	65
103	65	65	65	65
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109	65	65	65	65
110	65	65	65	65
111	65	65	65	65
112	65	65	65	65
113	65	65	65	65
114	65	65	65	65
115	65	65	65	65
116	65	65	65	65
117	65	65	65	65
118	65	65	65	65
119	65	65	65	65
120	65	65	65	65

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ØDN65 45°



TYPE	DN	DN	DN	DN
121	65	65	65	65
122	65	65	65	65
123	65	65	65	65
124	65	65	65	65
125	65	65	65	65
126	65	65	65	65
127	65	65	65	65
128	65	65	65	65
129	65	65	65	65
130	65	65	65	65
131	65	65	65	65
132	65	65	65	65
133	65	65	65	65
134	65	65	65	65
135	65	65	65	65
136	65	65	65	65
137	65	65	65	65
138	65	65	65	65
139	65	65	65	65
140	65	65	65	65

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ØDN65



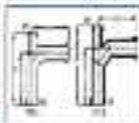
TYPE	DN	DN	DN	DN
141	65	65	65	65
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143	65	65	65	65
144	65	65	65	65
145	65	65	65	65
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147	65	65	65	65
148	65	65	65	65
149	65	65	65	65
150	65	65	65	65
151	65	65	65	65
152	65	65	65	65
153	65	65	65	65
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155	65	65	65	65
156	65	65	65	65
157	65	65	65	65
158	65	65	65	65
159	65	65	65	65
160	65	65	65	65

ØDN65



TYPE	DN	DN	DN	DN
161	65	65	65	65
162	65	65	65	65
163	65	65	65	65
164	65	65	65	65
165	65	65	65	65
166	65	65	65	65
167	65	65	65	65
168	65	65	65	65
169	65	65	65	65
170	65	65	65	65
171	65	65	65	65
172	65	65	65	65
173	65	65	65	65
174	65	65	65	65
175	65	65	65	65
176	65	65	65	65
177	65	65	65	65
178	65	65	65	65
179	65	65	65	65
180	65	65	65	65

BINDS 90° WITH THE OPPOSITE BRANCH



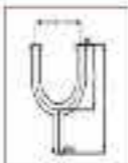
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185	65	65	65	65
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191	65	65	65	65
192	65	65	65	65
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196	65	65	65	65
197	65	65	65	65
198	65	65	65	65
199	65	65	65	65
200	65	65	65	65

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PIPELINE COMPONENTS

U-BENDS WITH BOTTOM OUTLET

ITEM	DN	OD	W	H
U-100	100	114	100	100
U-150	150	168	150	150
U-200	200	222	200	200
U-250	250	276	250	250
U-300	300	330	300	300
U-350	350	384	350	350
U-400	400	438	400	400
U-450	450	492	450	450
U-500	500	546	500	500
U-550	550	600	550	550
U-600	600	654	600	600
U-650	650	708	650	650
U-700	700	762	700	700
U-750	750	816	750	750
U-800	800	870	800	800
U-850	850	924	850	850
U-900	900	978	900	900
U-950	950	1032	950	950
U-1000	1000	1086	1000	1000



LINEAL CROSSSES

ITEM	DN	OD	W	H
L-100	100	114	100	100
L-150	150	168	150	150
L-200	200	222	200	200
L-250	250	276	250	250
L-300	300	330	300	300
L-350	350	384	350	350
L-400	400	438	400	400
L-450	450	492	450	450
L-500	500	546	500	500
L-550	550	600	550	550
L-600	600	654	600	600
L-650	650	708	650	650
L-700	700	762	700	700
L-750	750	816	750	750
L-800	800	870	800	800
L-850	850	924	850	850
L-900	900	978	900	900
L-950	950	1032	950	950
L-1000	1000	1086	1000	1000
L-1100	1100	1190	1100	1100
L-1200	1200	1294	1200	1200
L-1300	1300	1398	1300	1300
L-1400	1400	1502	1400	1400
L-1500	1500	1606	1500	1500
L-1600	1600	1710	1600	1600
L-1700	1700	1814	1700	1700
L-1800	1800	1918	1800	1800
L-1900	1900	2022	1900	1900
L-2000	2000	2126	2000	2000
L-2100	2100	2230	2100	2100
L-2200	2200	2334	2200	2200
L-2300	2300	2438	2300	2300
L-2400	2400	2542	2400	2400
L-2500	2500	2646	2500	2500
L-2600	2600	2750	2600	2600
L-2700	2700	2854	2700	2700
L-2800	2800	2958	2800	2800
L-2900	2900	3062	2900	2900
L-3000	3000	3166	3000	3000
L-3100	3100	3270	3100	3100
L-3200	3200	3374	3200	3200
L-3300	3300	3478	3300	3300
L-3400	3400	3582	3400	3400
L-3500	3500	3686	3500	3500
L-3600	3600	3790	3600	3600
L-3700	3700	3894	3700	3700
L-3800	3800	3998	3800	3800
L-3900	3900	4102	3900	3900
L-4000	4000	4206	4000	4000
L-4100	4100	4310	4100	4100
L-4200	4200	4414	4200	4200
L-4300	4300	4518	4300	4300
L-4400	4400	4622	4400	4400
L-4500	4500	4726	4500	4500
L-4600	4600	4830	4600	4600
L-4700	4700	4934	4700	4700
L-4800	4800	5038	4800	4800
L-4900	4900	5142	4900	4900
L-5000	5000	5246	5000	5000
L-5100	5100	5350	5100	5100
L-5200	5200	5454	5200	5200
L-5300	5300	5558	5300	5300
L-5400	5400	5662	5400	5400
L-5500	5500	5766	5500	5500
L-5600	5600	5870	5600	5600
L-5700	5700	5974	5700	5700
L-5800	5800	6078	5800	5800
L-5900	5900	6182	5900	5900
L-6000	6000	6286	6000	6000
L-6100	6100	6390	6100	6100
L-6200	6200	6494	6200	6200
L-6300	6300	6598	6300	6300
L-6400	6400	6702	6400	6400
L-6500	6500	6806	6500	6500
L-6600	6600	6910	6600	6600
L-6700	6700	7014	6700	6700
L-6800	6800	7118	6800	6800
L-6900	6900	7222	6900	6900
L-7000	7000	7326	7000	7000
L-7100	7100	7430	7100	7100
L-7200	7200	7534	7200	7200
L-7300	7300	7638	7300	7300
L-7400	7400	7742	7400	7400
L-7500	7500	7846	7500	7500
L-7600	7600	7950	7600	7600
L-7700	7700	8054	7700	7700
L-7800	7800	8158	7800	7800
L-7900	7900	8262	7900	7900
L-8000	8000	8366	8000	8000
L-8100	8100	8470	8100	8100
L-8200	8200	8574	8200	8200
L-8300	8300	8678	8300	8300
L-8400	8400	8782	8400	8400
L-8500	8500	8886	8500	8500
L-8600	8600	8990	8600	8600
L-8700	8700	9094	8700	8700
L-8800	8800	9198	8800	8800
L-8900	8900	9302	8900	8900
L-9000	9000	9406	9000	9000
L-9100	9100	9510	9100	9100
L-9200	9200	9614	9200	9200
L-9300	9300	9718	9300	9300
L-9400	9400	9822	9400	9400
L-9500	9500	9926	9500	9500
L-9600	9600	10030	9600	9600
L-9700	9700	10134	9700	9700
L-9800	9800	10238	9800	9800
L-9900	9900	10342	9900	9900
L-10000	10000	10446	10000	10000





PIPELINE COMPONENTS

CR0105



DN	Ø	L
100	114	1000
150	168	1000
200	222	1000
250	276	1000
300	330	1000
350	384	1000
400	438	1000
450	492	1000
500	546	1000

EL00015



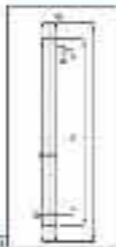
DN	Ø	L
100	114	1000
150	168	1000
200	222	1000
250	276	1000
300	330	1000
350	384	1000
400	438	1000
450	492	1000
500	546	1000

EL0005



DN	Ø	L
100	114	1000
150	168	1000
200	222	1000
250	276	1000
300	330	1000
350	384	1000
400	438	1000
450	492	1000
500	546	1000

CR0105 F-PC SIXTONG



Definizione:
 Questo prodotto è un componente di collegamento per tubi di acciaio inossidabile. È composto da un tubo di acciaio inossidabile di DN 100-500 mm di diametro, con un spessore di parete di 3-6 mm, e un tubo di acciaio inossidabile di DN 100-500 mm di diametro, con un spessore di parete di 3-6 mm. È adatto per l'uso in impianti di trattamento delle acque e in impianti di depurazione.

100-500 DN 100-500

DN	Ø	L	Ø	DN	Ø	L
100-500	114	1000	114	100	114	1000
100-500	168	1000	168	150	168	1000
100-500	222	1000	222	200	222	1000
100-500	276	1000	276	250	276	1000
100-500	330	1000	330	300	330	1000
100-500	384	1000	384	350	384	1000
100-500	438	1000	438	400	438	1000
100-500	492	1000	492	450	492	1000
100-500	546	1000	546	500	546	1000

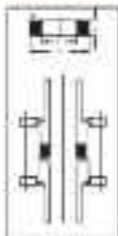
PIPELINE COMPONENTS

WASPTON FLAT (FOR REACTOR)

WASPTON FLAT (FOR REACTOR) is a standard size of reactor to provide maximum efficiency.

All WASPTON FLAT (FOR REACTOR) components are made of 304 stainless steel.

Model	Wt	Height	Length	Volume
WASPTON 1	10	10	10	10
WASPTON 2	20	20	20	20
WASPTON 3	30	30	30	30
WASPTON 4	40	40	40	40
WASPTON 5	50	50	50	50
WASPTON 6	60	60	60	60
WASPTON 7	70	70	70	70
WASPTON 8	80	80	80	80
WASPTON 9	90	90	90	90
WASPTON 10	100	100	100	100



WASPTON CONNECTOR

Model	Wt	Height	Length	Volume
WASPTON 1	10	10	10	10
WASPTON 2	20	20	20	20
WASPTON 3	30	30	30	30
WASPTON 4	40	40	40	40
WASPTON 5	50	50	50	50
WASPTON 6	60	60	60	60
WASPTON 7	70	70	70	70
WASPTON 8	80	80	80	80
WASPTON 9	90	90	90	90
WASPTON 10	100	100	100	100



WASPTON HOSE CONNECTOR

Model	Wt	Height	Length	Volume
WASPTON 1	10	10	10	10
WASPTON 2	20	20	20	20
WASPTON 3	30	30	30	30
WASPTON 4	40	40	40	40
WASPTON 5	50	50	50	50
WASPTON 6	60	60	60	60
WASPTON 7	70	70	70	70
WASPTON 8	80	80	80	80
WASPTON 9	90	90	90	90
WASPTON 10	100	100	100	100





VALVES



Our valves are designed to meet the most demanding industrial applications, ensuring reliable performance in harsh environments.

Whether in oil and gas, chemical processing, or power generation, our valves are the backbone of your operations.

For more information, visit our website at www.valves.com.

VALVES

STRAIGHT THROUGH VALVES

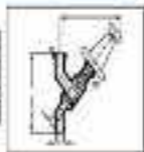
Model	DN	PN	L	W	H	Wt.
STV 1	15	16	100	40	100	0,15
STV 2	20	16	100	40	100	0,20
STV 3	25	16	100	40	100	0,25
STV 4	32	16	100	40	100	0,32
STV 5	40	16	100	40	100	0,40

STRAIGHT THROUGH VALVES



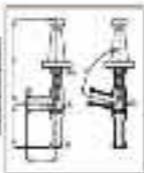
STRAINERS

Model	DN	PN	L	W	H	Wt.
STV 1	15	16	100	40	100	0,15
STV 2	20	16	100	40	100	0,20
STV 3	25	16	100	40	100	0,25
STV 4	32	16	100	40	100	0,32
STV 5	40	16	100	40	100	0,40



WATER VALVE

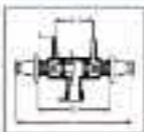
Model	DN	PN	L	W	H	Wt.
WV 1	15	16	100	40	100	0,15
WV 2	20	16	100	40	100	0,20
WV 3	25	16	100	40	100	0,25
WV 4	32	16	100	40	100	0,32
WV 5	40	16	100	40	100	0,40



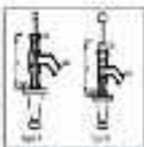
RINT VALVES

Model	DN	PN	L	W	H	Wt.
RV 1	15	16	100	40	100	0,15
RV 2	20	16	100	40	100	0,20
RV 3	25	16	100	40	100	0,25
RV 4	32	16	100	40	100	0,32



91117 / 110211 / 110215


91117	110211	110215	Ø	L	H	Ø1	Ø2
100	150	200	100	150	150	100	100
150	200	250	150	200	200	150	150
200	250	300	200	250	250	200	200

91118 / 110212 / 110216


These valves are suitable for use in applications where the flow is from the bottom of the vessel.

Ø	L	H	Ø1	Ø2	Ø3
100	150	150	100	100	100
150	200	200	150	150	150
200	250	250	200	200	200

91119 / 110213 / 110217


Ø	L	H	Ø1	Ø2	Ø3
100	150	150	100	100	100
150	200	200	150	150	150
200	250	250	200	200	200

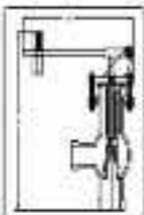
91120 / 110214 / 110218

This valve is suitable for use in applications where the flow is from the top of the vessel.

The valve is designed to operate in both directions of flow. It is suitable for use in applications where the flow is from the top of the vessel. The valve is designed to operate in both directions of flow. It is suitable for use in applications where the flow is from the top of the vessel.

The valve is designed to operate in both directions of flow. It is suitable for use in applications where the flow is from the top of the vessel. The valve is designed to operate in both directions of flow. It is suitable for use in applications where the flow is from the top of the vessel.

For more information, please contact your local distributor.



Ø	L	H	Ø1	Ø2	Ø3
100	150	150	100	100	100
150	200	200	150	150	150
200	250	250	200	200	200

For more information, please contact your local distributor.

VESSELS



• High quality glassware, including laboratory glassware, laboratory glassware, laboratory glassware.

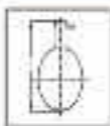
• Laboratory glassware, including laboratory glassware, laboratory glassware, laboratory glassware, laboratory glassware.

• Laboratory glassware, including laboratory glassware, laboratory glassware, laboratory glassware, laboratory glassware.

ONE-NECK VESSEL - GENERAL DATA


Model	Volume (liters)
1000	1000
1500	1500
2000	2000
2500	2500
3000	3000
3500	3500
4000	4000
4500	4500
5000	5000
5500	5500
6000	6000
6500	6500
7000	7000
7500	7500
8000	8000
8500	8500
9000	9000
9500	9500
10000	10000

Model	1	2	3	4	5	6	7	8	9	10
1000	100	100	100	100	100	100	100	100	100	100
1500	150	150	150	150	150	150	150	150	150	150
2000	200	200	200	200	200	200	200	200	200	200
2500	250	250	250	250	250	250	250	250	250	250
3000	300	300	300	300	300	300	300	300	300	300
3500	350	350	350	350	350	350	350	350	350	350
4000	400	400	400	400	400	400	400	400	400	400
4500	450	450	450	450	450	450	450	450	450	450
5000	500	500	500	500	500	500	500	500	500	500
5500	550	550	550	550	550	550	550	550	550	550
6000	600	600	600	600	600	600	600	600	600	600
6500	650	650	650	650	650	650	650	650	650	650
7000	700	700	700	700	700	700	700	700	700	700
7500	750	750	750	750	750	750	750	750	750	750
8000	800	800	800	800	800	800	800	800	800	800
8500	850	850	850	850	850	850	850	850	850	850
9000	900	900	900	900	900	900	900	900	900	900
9500	950	950	950	950	950	950	950	950	950	950
10000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

ONE-NECK SPHERICAL VESSELS


Model	Volume (liters)	Weight (kg)
1000	1000	100
1500	1500	150
2000	2000	200
2500	2500	250
3000	3000	300
3500	3500	350
4000	4000	400
4500	4500	450
5000	5000	500
5500	5500	550
6000	6000	600
6500	6500	650
7000	7000	700
7500	7500	750
8000	8000	800
8500	8500	850
9000	9000	900
9500	9500	950
10000	10000	1000

THREE-NECK BOTTOM OUTLET SPHERICAL VESSELS


Model	Volume (liters)	Weight (kg)
1000	1000	100
1500	1500	150
2000	2000	200
2500	2500	250
3000	3000	300
3500	3500	350
4000	4000	400
4500	4500	450
5000	5000	500
5500	5500	550
6000	6000	600
6500	6500	650
7000	7000	700
7500	7500	750
8000	8000	800
8500	8500	850
9000	9000	900
9500	9500	950
10000	10000	1000

VESSELS

ONE NECK BOTTOM OUTLET SPHERICAL VESSEL

IN. MM	NECK HEIGHT IN. MM	L IN. MM	DN IN. MM	DN IN. MM	DN IN. MM	DN IN. MM
1200	12	100	12	12	12	12
1200	12	150	12	12	12	12
1200	12	200	12	12	12	12
1200	12	250	12	12	12	12
1200	12	300	12	12	12	12
1200	12	350	12	12	12	12
1200	12	400	12	12	12	12
1200	12	450	12	12	12	12
1200	12	500	12	12	12	12
1200	12	550	12	12	12	12
1200	12	600	12	12	12	12
1200	12	650	12	12	12	12
1200	12	700	12	12	12	12
1200	12	750	12	12	12	12
1200	12	800	12	12	12	12
1200	12	850	12	12	12	12
1200	12	900	12	12	12	12
1200	12	950	12	12	12	12
1200	12	1000	12	12	12	12



FIVE NECK BOTTOM OUTLET SPHERICAL VESSEL

IN. MM	NECK HEIGHT IN. MM	L IN. MM	DN IN. MM	DN IN. MM	DN IN. MM	DN IN. MM
1200	12	100	12	12	12	12
1200	12	150	12	12	12	12
1200	12	200	12	12	12	12
1200	12	250	12	12	12	12
1200	12	300	12	12	12	12
1200	12	350	12	12	12	12
1200	12	400	12	12	12	12
1200	12	450	12	12	12	12
1200	12	500	12	12	12	12
1200	12	550	12	12	12	12
1200	12	600	12	12	12	12
1200	12	650	12	12	12	12
1200	12	700	12	12	12	12
1200	12	750	12	12	12	12
1200	12	800	12	12	12	12
1200	12	850	12	12	12	12
1200	12	900	12	12	12	12
1200	12	950	12	12	12	12
1200	12	1000	12	12	12	12



FIVE NECK BOTTOM OUTLET SPHERICAL VESSEL

IN. MM	NECK HEIGHT IN. MM	L IN. MM	DN IN. MM	DN IN. MM	DN IN. MM	DN IN. MM
1200	12	100	12	12	12	12
1200	12	150	12	12	12	12
1200	12	200	12	12	12	12
1200	12	250	12	12	12	12
1200	12	300	12	12	12	12
1200	12	350	12	12	12	12
1200	12	400	12	12	12	12
1200	12	450	12	12	12	12
1200	12	500	12	12	12	12
1200	12	550	12	12	12	12
1200	12	600	12	12	12	12
1200	12	650	12	12	12	12
1200	12	700	12	12	12	12
1200	12	750	12	12	12	12
1200	12	800	12	12	12	12
1200	12	850	12	12	12	12
1200	12	900	12	12	12	12
1200	12	950	12	12	12	12
1200	12	1000	12	12	12	12



SPHERICAL VESSELS WITH NOZZLE AT 90°

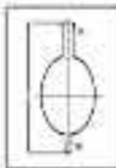

Dimensionen sind in mm angegeben. Die Angaben sind für eine Wandstärke von 10 mm gültig.

Druck [bar]	Wandungsdicke [mm]	s	h	100	150	200
10	10	80	10	10	10	10
20	10	80	10	10	10	10
30	10	80	10	10	10	10
40	10	80	10	10	10	10
50	10	80	10	10	10	10
60	10	80	10	10	10	10
70	10	80	10	10	10	10
80	10	80	10	10	10	10
90	10	80	10	10	10	10
100	10	80	10	10	10	10
120	10	80	10	10	10	10
140	10	80	10	10	10	10
160	10	80	10	10	10	10
180	10	80	10	10	10	10
200	10	80	10	10	10	10

SPHERICAL VESSELS


Dimensionen sind in mm angegeben. Die Angaben sind für eine Wandstärke von 10 mm gültig.

Druck [bar]	Wandungsdicke [mm]	s	h	100	150	200
10	10	80	10	10	10	10
20	10	80	10	10	10	10
30	10	80	10	10	10	10
40	10	80	10	10	10	10
50	10	80	10	10	10	10
60	10	80	10	10	10	10
70	10	80	10	10	10	10
80	10	80	10	10	10	10
90	10	80	10	10	10	10
100	10	80	10	10	10	10
120	10	80	10	10	10	10
140	10	80	10	10	10	10
160	10	80	10	10	10	10
180	10	80	10	10	10	10
200	10	80	10	10	10	10

SECTION VESSELS


Dimensionen sind in mm angegeben. Die Angaben sind für eine Wandstärke von 10 mm gültig.

Druck [bar]	Wandungsdicke [mm]	s	h	100	150	200
10	10	80	10	10	10	10
20	10	80	10	10	10	10
30	10	80	10	10	10	10
40	10	80	10	10	10	10
50	10	80	10	10	10	10
60	10	80	10	10	10	10
70	10	80	10	10	10	10
80	10	80	10	10	10	10
90	10	80	10	10	10	10
100	10	80	10	10	10	10
120	10	80	10	10	10	10
140	10	80	10	10	10	10
160	10	80	10	10	10	10
180	10	80	10	10	10	10
200	10	80	10	10	10	10

VESSELS

SPHERICAL VESSELS WITH WIDE BOTTOM OUTLET

See also specifications & dimensions in the following table for the following vessels:

DN	Height	V	W	W ₁	W ₂	W ₃
1000	1000	1000	1000	1000	1000	1000
1200	1200	1200	1200	1200	1200	1200
1400	1400	1400	1400	1400	1400	1400
1600	1600	1600	1600	1600	1600	1600
1800	1800	1800	1800	1800	1800	1800
2000	2000	2000	2000	2000	2000	2000
2200	2200	2200	2200	2200	2200	2200
2400	2400	2400	2400	2400	2400	2400
2600	2600	2600	2600	2600	2600	2600
2800	2800	2800	2800	2800	2800	2800
3000	3000	3000	3000	3000	3000	3000
3200	3200	3200	3200	3200	3200	3200
3400	3400	3400	3400	3400	3400	3400
3600	3600	3600	3600	3600	3600	3600
3800	3800	3800	3800	3800	3800	3800
4000	4000	4000	4000	4000	4000	4000



VESSELS WITH BOTTOM OUTLET W/MT SEAT

For technical specifications & dimensions of vessels with a wide bottom outlet with a wide bottom outlet see the following table for the following vessels:

See also drawings:

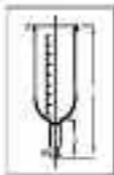
- 1) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.
- 2) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.
- 3) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.
- 4) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.
- 5) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.
- 6) Vessel for gas storage with a wide bottom outlet and a wide bottom outlet with a wide bottom outlet.



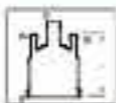
CYLINDRICAL VESSELS

See also specifications & dimensions in the following table for the following vessels:

DN	Height	V	W	W ₁	W ₂	W ₃
1000	1000	1000	1000	1000	1000	1000
1200	1200	1200	1200	1200	1200	1200
1400	1400	1400	1400	1400	1400	1400
1600	1600	1600	1600	1600	1600	1600
1800	1800	1800	1800	1800	1800	1800
2000	2000	2000	2000	2000	2000	2000
2200	2200	2200	2200	2200	2200	2200
2400	2400	2400	2400	2400	2400	2400
2600	2600	2600	2600	2600	2600	2600
2800	2800	2800	2800	2800	2800	2800
3000	3000	3000	3000	3000	3000	3000
3200	3200	3200	3200	3200	3200	3200
3400	3400	3400	3400	3400	3400	3400
3600	3600	3600	3600	3600	3600	3600
3800	3800	3800	3800	3800	3800	3800
4000	4000	4000	4000	4000	4000	4000

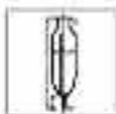


COMMERCIAL VESSELS



Model	Capacity (liters)	Capacity (gallons)	Weight (kg)	Weight (lb)
EM-100	100	26.4	1.8	4.0
EM-200	200	52.8	3.6	8.0
EM-300	300	79.2	5.4	12.0
EM-400	400	105.6	7.2	16.0
EM-500	500	132.0	9.0	20.0
EM-600	600	158.4	10.8	24.0
EM-700	700	184.8	12.6	28.0
EM-800	800	211.2	14.4	32.0
EM-900	900	237.6	16.2	36.0

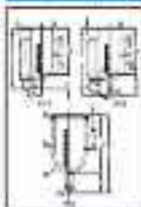
WETLIPS



Wetlip vessels are available in the following sizes:

Model	Capacity (liters)	Capacity (gallons)	Weight (kg)	Weight (lb)
EM-100	100	26.4	1.8	4.0
EM-200	200	52.8	3.6	8.0

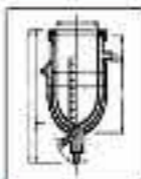
IM/OTTE WETLIPS



IM/OTTE wetlip vessels are available in the following sizes:

Model	Capacity (liters)	Capacity (gallons)	Weight (kg)	Weight (lb)
EM-100	100	26.4	1.8	4.0
EM-200	200	52.8	3.6	8.0
EM-300	300	79.2	5.4	12.0
EM-400	400	105.6	7.2	16.0
EM-500	500	132.0	9.0	20.0
EM-600	600	158.4	10.8	24.0
EM-700	700	184.8	12.6	28.0
EM-800	800	211.2	14.4	32.0
EM-900	900	237.6	16.2	36.0

INCUBATED VESSELS (TYPE 1000)



Incubated vessels are available in the following sizes:

Model	Capacity (liters)	Capacity (gallons)	Weight (kg)	Weight (lb)
EM-1000	1000	264.0	18.0	40.0
EM-2000	2000	528.0	36.0	80.0

Model	Capacity (liters)	Capacity (gallons)	Weight (kg)	Weight (lb)
EM-1000	1000	264.0	18.0	40.0
EM-2000	2000	528.0	36.0	80.0

VESSELS

BUFFERS

Standard industrial and marine use

Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
10000	10001	10002	10003	10004	10005
10006	10007	10008	10009	10010	10011
10012	10013	10014	10015	10016	10017



INDUSTRIAL BUFFERS

For industrial and marine use

Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
10018	10019	10020	10021	10022	10023
10024	10025	10026	10027	10028	10029
10030	10031	10032	10033	10034	10035
10036	10037	10038	10039	10040	10041
10042	10043	10044	10045	10046	10047



GAS SPACERS

Standard industrial and marine use

Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
10048	10049	10050	10051	10052	10053
10054	10055	10056	10057	10058	10059
10060	10061	10062	10063	10064	10065



THERMOMETER SOCKETS

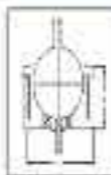
Part No.	Part No.	Part No.	Part No.	Part No.
10066	10067	10068	10069	10070
10071	10072	10073	10074	10075
10076	10077	10078	10079	10080



400-66 MOUNTS

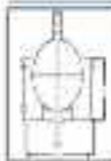

For mounting vessels with a diameter of 400 mm.

Type	Height mm	Ø		Ø	Ø	Weight kg
		Ø	Ø			
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10

400-66 MOUNTS


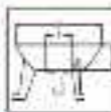
For mounting vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm.

Type	Height mm	Ø		Ø	Ø	Weight kg
		Ø	Ø			
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10
400-66	110	400	400	400	400	10

400-66 MOUNTS


For mounting vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm.

Type	Height mm	Ø	Ø
400-66	110	400	400
400-66	110	400	400
400-66	110	400	400
400-66	110	400	400

VESSEL HOLDERS


For mounting vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm. For use with vessels with a diameter of 400 mm.

Type	Height mm	Ø	Ø	Ø
400-66	110	400	400	400
400-66	110	400	400	400
400-66	110	400	400	400
400-66	110	400	400	400
400-66	110	400	400	400

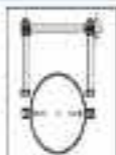
For mounting vessels with a diameter of 400 mm.

VESSELS

AT502 | 40-316 316SS

Horizontal pressure vessels with a standard design, made of steel

Model	Max. pressure (bar)	Capacity (litres)	Weight (kg)
AT502	10	200	15
AT503	10	300	20
AT504	10	400	25
AT505	10	500	30



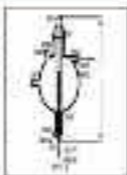
OCN512 III

Horizontal pressure vessels with a standard design, made of stainless steel, with a hemispherical head and a standard design, made of stainless steel, with a hemispherical head and a standard design.

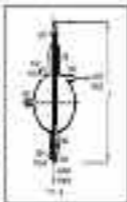
The vessel is made of stainless steel and is suitable for use in food processing and pharmaceutical applications. It is constructed of stainless steel and is suitable for use in food processing and pharmaceutical applications.

The vessel is made of stainless steel and is suitable for use in food processing and pharmaceutical applications.

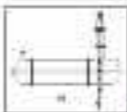
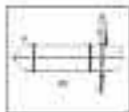
Model OCN512 III is made of stainless steel and is suitable for use in food processing and pharmaceutical applications.



Model	Capacity (litres)	Max. pressure (bar)	Weight (kg)	Material
OCN512 III	200	10	15	Stainless steel
OCN513 III	300	10	20	Stainless steel
OCN514 III	400	10	25	Stainless steel
OCN515 III	500	10	30	Stainless steel
OCN516 III	600	10	35	Stainless steel
OCN517 III	700	10	40	Stainless steel
OCN518 III	800	10	45	Stainless steel
OCN519 III	900	10	50	Stainless steel
OCN520 III	1000	10	55	Stainless steel



Model OCN512 III is made of stainless steel and is suitable for use in food processing and pharmaceutical applications.





STIRRERS

TECHNOLOGICAL SOLUTIONS



Stirrers for laboratory and industrial use

Stirrers for laboratory and industrial use
Stirrers for laboratory and industrial use
Stirrers for laboratory and industrial use
Stirrers for laboratory and industrial use

STIRRERS

Stirrers are available in a number of different types to suit your specific application.

Model	Capacity	Speed	Material	Power	Dimensions
ST-100	100L	0-1000	SS	100W	1000x1000x1000
ST-200	200L	0-1000	SS	200W	1500x1500x1500
ST-300	300L	0-1000	SS	300W	2000x2000x2000
ST-400	400L	0-1000	SS	400W	2500x2500x2500
ST-500	500L	0-1000	SS	500W	3000x3000x3000



DRUM & WEL

Drum & Well stirrers are used for applications where the material is highly viscous or contains solids. They are available in a range of sizes and materials to suit your specific application.

Model	Capacity	Speed	Material	Power	Dimensions
DW-100	100L	0-1000	SS	100W	1000x1000x1000
DW-200	200L	0-1000	SS	200W	1500x1500x1500
DW-300	300L	0-1000	SS	300W	2000x2000x2000



STIRRER WITH TITAN BLADES

Stirrers with Titan blades are used for applications where the material is highly viscous or contains solids.

Model	Capacity	Speed	Material	Power	Dimensions
ST-T-100	100L	0-1000	SS	100W	1000x1000x1000
ST-T-200	200L	0-1000	SS	200W	1500x1500x1500
ST-T-300	300L	0-1000	SS	300W	2000x2000x2000
ST-T-400	400L	0-1000	SS	400W	2500x2500x2500
ST-T-500	500L	0-1000	SS	500W	3000x3000x3000



WORTH STIRRER

The Worth stirrer is used for applications where the material is highly viscous or contains solids.

Model	Capacity	Speed	Material	Power	Dimensions
W-100	100L	0-1000	SS	100W	1000x1000x1000
W-200	200L	0-1000	SS	200W	1500x1500x1500
W-300	300L	0-1000	SS	300W	2000x2000x2000



PHOENIX STIRRER

The Phoenix stirrer is used for applications where the material is highly viscous or contains solids.

Model	Capacity	Speed	Material	Power	Dimensions
P-100	100L	0-1000	SS	100W	1000x1000x1000
P-200	200L	0-1000	SS	200W	1500x1500x1500
P-300	300L	0-1000	SS	300W	2000x2000x2000





STIRRERS

STIRRING ASSEMBLY WITH MIDRANGE SEAL



1. This drawing is valid only for the standard configuration and it may vary without notice due to product development.

2. All units are in mm.

3. All dimensions are in mm.

4. All dimensions are in mm.

Model	Stirrer Type	Stirrer Dia.	Stirrer Length	Stirrer Material
1000	10	100	100	SS316
1500	15	150	150	SS316
2000	20	200	200	SS316
2500	25	250	250	SS316
3000	30	300	300	SS316
4000	40	400	400	SS316
5000	50	500	500	SS316
6000	60	600	600	SS316
7000	70	700	700	SS316
8000	80	800	800	SS316
9000	90	900	900	SS316
10000	100	1000	1000	SS316
12000	120	1200	1200	SS316
15000	150	1500	1500	SS316
20000	200	2000	2000	SS316
25000	250	2500	2500	SS316
30000	300	3000	3000	SS316
40000	400	4000	4000	SS316
50000	500	5000	5000	SS316
60000	600	6000	6000	SS316
70000	700	7000	7000	SS316
80000	800	8000	8000	SS316
90000	900	9000	9000	SS316
100000	1000	10000	10000	SS316

TURBINE HORIZONTAL SS PTFE LINER



Model	Stirrer Type	Stirrer Dia.	Stirrer Length	Stirrer Material
1000	10	100	100	SS316
1500	15	150	150	SS316
2000	20	200	200	SS316
2500	25	250	250	SS316
3000	30	300	300	SS316
4000	40	400	400	SS316
5000	50	500	500	SS316
6000	60	600	600	SS316
7000	70	700	700	SS316
8000	80	800	800	SS316
9000	90	900	900	SS316
10000	100	1000	1000	SS316
12000	120	1200	1200	SS316
15000	150	1500	1500	SS316
20000	200	2000	2000	SS316
25000	250	2500	2500	SS316
30000	300	3000	3000	SS316
40000	400	4000	4000	SS316
50000	500	5000	5000	SS316
60000	600	6000	6000	SS316
70000	700	7000	7000	SS316
80000	800	8000	8000	SS316
90000	900	9000	9000	SS316
100000	1000	10000	10000	SS316

STIRRERS

FLAME PROOF STIRRER DRUMS

Stirrers for flame proof applications with gas and liquid media in accordance with approved standards.

Model	Drum	Speed
1000	50	10
1500	50	10
2000	50	10



STIRRER WITH DRUM WITH VIBRA

Stirrers for flame proof applications with gas and liquid media in accordance with approved standards.

Model	Drum	Speed
1000	50	10
1500	50	10
2000	50	10



DRUMS WITH PROOF PANEL

Flame proof panels for drums.



DRUMS WITH PROOF STIRRER DRUM

Stirrers for flame proof applications with gas and liquid media in accordance with approved standards.

Model	Drum	Speed
1000	50	10
1500	50	10
2000	50	10



HEAT EXCHANGERS

SHOULD YOU USE HEAT EXCHANGERS?

INTRODUCTION

Heat exchangers transfer heat between two or more fluids. They are used in a wide variety of applications, including power plants, refrigeration, and industrial processes. They are used to pre-heat combustion air, cool engine oil, and heat water for space heating.

HEAT EXCHANGERS

- 1. Heat exchangers transfer heat between two or more fluids.
- 2. They are used in a wide variety of applications, including power plants, refrigeration, and industrial processes.
- 3. They are used to pre-heat combustion air, cool engine oil, and heat water for space heating.
- 4. They are used to transfer heat from a hot fluid to a cold fluid.
- 5. They are used to transfer heat from a hot fluid to a hot fluid.
- 6. They are used to transfer heat from a cold fluid to a cold fluid.

CONSTRUCTION OF HEAT EXCHANGERS

- 1. Heat exchangers are constructed from a variety of materials, including copper, aluminum, and steel.
- 2. They are constructed from a variety of materials, including copper, aluminum, and steel.
- 3. They are constructed from a variety of materials, including copper, aluminum, and steel.

CONSTRUCTION MATERIALS

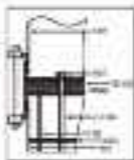
The materials used in the construction of heat exchangers are selected based on their thermal conductivity, corrosion resistance, and mechanical strength. Common materials include copper, aluminum, and steel.

TYPE

Heat exchangers are classified into several types based on their construction and application.

HEAT EXCHANGERS				
TYPE	CONSTRUCTION	APPLICATIONS	ADVANTAGES	DISADVANTAGES
Shell and Tube	Two or more tubes are connected in series or parallel within a shell.	Power plants, refrigeration, and industrial processes.	High efficiency, long life, and easy maintenance.	Large size and high cost.
Plate Heat Exchanger	Two or more plates are connected in series or parallel.	Refrigeration, power plants, and industrial processes.	High efficiency, compact size, and easy maintenance.	High cost and limited capacity.
Coil Heat Exchanger	A coil of tube is connected in series or parallel.	Refrigeration, power plants, and industrial processes.	High efficiency, compact size, and easy maintenance.	High cost and limited capacity.

*Data is for informational purposes only and is not intended to be used as a substitute for professional engineering advice.

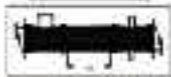




HEAT EXCHANGERS

DIMENSIONAL SPECIFICATIONS

Type Pressure	20			25			32			40			50			63			
	DN	OD	WT	DN	OD	WT	DN	OD	WT	DN	OD	WT	DN	OD	WT	DN	OD	WT	
ASST	2	3	1	3	4	1	4	5	2	5	6	2	6	7	3	7	8	3	8
20		24			22			20			18			16			14		
25		30			28			26			24			22			20		
32		36			34			32			30			28			26		
40		42			40			38			36			34			32		
50		50			48			46			44			42			40		
63		60			58			56			54			52			50		
	200	240	100	250	300	120	300	350	150	350	400	180	400	450	200	450	500	220	500
20	200	240	100	250	300	120	300	350	150	350	400	180	400	450	200	450	500	220	500
25	250	300	120	300	350	150	350	400	180	400	450	200	450	500	220	500	550	240	500
32	300	360	150	360	420	180	420	480	210	480	540	240	540	600	270	600	660	270	600
40	350	420	180	420	500	210	500	580	240	580	660	270	660	740	300	740	820	300	740
50	400	480	220	480	580	250	580	680	300	680	780	330	780	880	360	880	980	360	880
63	450	540	270	540	660	300	660	780	360	780	900	420	900	1020	450	1020	1140	450	1020
ASST																			
DN	10	15	20	25	32	40	50	63	80	100	125	160	200	250	320	400	500	630	800



SIZE OF APPLICATORS



all measurements are in millimeters unless otherwise specified
 dimensions are subject to change without notice
 if you need to order a product for a specific application, please contact us

Type	DN	Weight (kg)		
		20	25	32
20	200	10	15	20
	250	15	20	25
	300	20	25	30
25	250	15	20	25
	300	20	25	30
	350	25	30	35
32	300	20	25	30
	350	25	30	35
	400	30	35	40

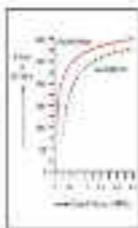
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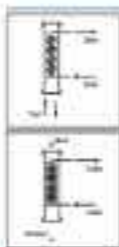
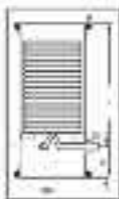
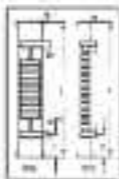
HEAT EXCHANGERS

PERFORMANCE & DESIGN Q/M

Heat exchangers are used to transfer heat between two or more fluids. They are used in a wide variety of applications, including power generation, chemical processing, and industrial heating and cooling. The design of a heat exchanger is critical to its performance, and the following table provides a summary of the key design parameters for three common types of heat exchangers.

Type	Material	Design Parameters	
		Flow Rate (m³/h)	Pressure Drop (bar)
Shell and Tube	Carbon Steel	1000	0.5
Plate	Stainless Steel	500	1.0
Compact	Aluminum	200	0.2





Modelo de condensador para uso industrial. Construido en acero inoxidable con un grado de acabado de 304 para evitar la contaminación.

Modelo de condensador para uso industrial.

Tubo de 20, 25, 32, 40, 50, 60, 70, 80, 90, 100 mm

Longitud de 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 m

Modelo	Tubo	Longitud	Superficie	Volumen	Peso	Precio	
						Base	Instalación
100	100	1	100	100	100	100	100
100	100	2	200	200	200	200	200
100	100	3	300	300	300	300	300
100	100	4	400	400	400	400	400
100	100	5	500	500	500	500	500
100	100	6	600	600	600	600	600
100	100	7	700	700	700	700	700
100	100	8	800	800	800	800	800
100	100	9	900	900	900	900	900
100	100	10	1000	1000	1000	1000	1000

Características técnicas de modelo

- Acero inoxidable (grado 304)
- Superficie de 100 a 1000 m²
- Volumen de 100 a 1000 m³
- Peso de 100 a 1000 kg
- Longitud de 1 a 10 m
- Tubo de 20 a 100 mm
- Instalación en el sitio
- Transporte en camión
- Montaje en el sitio
- Operación en continuo
- Operación en modo de parada

CONDENSADOR

Características

Modelo de condensador para uso industrial. Construido en acero inoxidable con un grado de acabado de 304 para evitar la contaminación.

Modelo de uso

Modelo de condensador para uso industrial. Construido en acero inoxidable con un grado de acabado de 304 para evitar la contaminación.

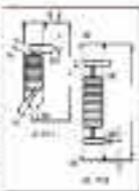
HEAT EXCHANGERS

ROCKERS

Rockers are the most common type of heat exchanger used in industrial applications. They are available in a wide range of sizes and configurations to meet your specific needs.

For more information, visit our website at www.eaton.com.

Model	Capacity	Pressure	Temperature	Material	Dimensions	Weight	Lead Time
Rock 100	100	10	150	Carbon Steel	1000 x 1000 x 1000	1000	4 weeks
Rock 200	200	20	200	Carbon Steel	2000 x 2000 x 2000	2000	6 weeks
Rock 300	300	30	250	Carbon Steel	3000 x 3000 x 3000	3000	8 weeks
Rock 400	400	40	300	Carbon Steel	4000 x 4000 x 4000	4000	10 weeks
Rock 500	500	50	350	Carbon Steel	5000 x 5000 x 5000	5000	12 weeks



Advantages of Rockers

- High efficiency and low pressure drop
- Easy to maintain and clean
- Available in a wide range of materials and configurations
- Proven design and construction
- Long service life and low maintenance costs



ANGLED HOSE CONNECTOR SYSTEMS

Angled hose connector systems are used in applications where space is limited and the hose needs to be connected at an angle. They are available in a wide range of sizes and configurations.

Model	Capacity	Pressure	Temperature	Material
Angled 100	100	10	150	Carbon Steel
Angled 200	200	20	200	Carbon Steel

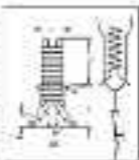


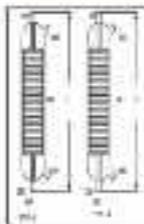
IMMERSIBLES

Immensible heat exchangers are used in applications where the heat exchanger is submerged in a fluid. They are available in a wide range of sizes and configurations.

For more information, visit our website at www.eaton.com.

Model	Capacity	Pressure	Temperature	Material	Dimensions	Weight	Lead Time
Imm 100	100	10	150	Carbon Steel	1000 x 1000 x 1000	1000	4 weeks
Imm 200	200	20	200	Carbon Steel	2000 x 2000 x 2000	2000	6 weeks





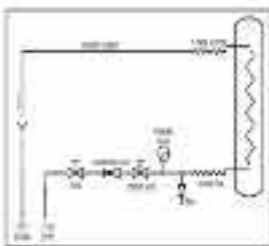
For more information, visit the website www.em.com.tr

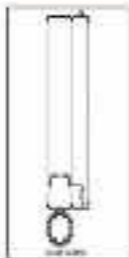
Technical specifications: Heat exchanger models are designed for use in industrial applications. They are made of stainless steel and are suitable for use in high temperature and high pressure environments. They are also suitable for use in low temperature environments.

Model	DN	EN	EM	ES	EU	EU	EU
125-1	25	25	25	25	25	25	25
125-2	25	25	25	25	25	25	25
125-3	25	25	25	25	25	25	25
125-4	25	25	25	25	25	25	25
125-5	25	25	25	25	25	25	25
125-6	25	25	25	25	25	25	25
125-7	25	25	25	25	25	25	25
125-8	25	25	25	25	25	25	25
125-9	25	25	25	25	25	25	25
125-10	25	25	25	25	25	25	25

STRAT CONVECTION FOR CONDENSER

For more information, visit the website www.em.com.tr



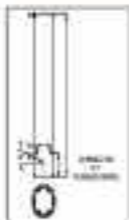


Technical drawing showing a column section with a central hole and a flange-like base. The drawing is labeled 'COLUMN SECTION' at the bottom.

Technical drawing showing a column section with a central hole and a flange-like base. The drawing is labeled 'COLUMN SECTION' at the bottom.

Code	Ø	Ø	Ø	Ø	Ø
10000	100	100	100	100	100
10001	125	125	125	125	125
10002	150	150	150	150	150
10003	175	175	175	175	175
10004	200	200	200	200	200
10005	225	225	225	225	225
10006	250	250	250	250	250
10007	275	275	275	275	275
10008	300	300	300	300	300
10009	325	325	325	325	325
10010	350	350	350	350	350
10011	375	375	375	375	375
10012	400	400	400	400	400
10013	425	425	425	425	425
10014	450	450	450	450	450
10015	475	475	475	475	475
10016	500	500	500	500	500
10017	525	525	525	525	525
10018	550	550	550	550	550
10019	575	575	575	575	575
10020	600	600	600	600	600
10021	625	625	625	625	625
10022	650	650	650	650	650
10023	675	675	675	675	675
10024	700	700	700	700	700
10025	725	725	725	725	725
10026	750	750	750	750	750
10027	775	775	775	775	775
10028	800	800	800	800	800
10029	825	825	825	825	825
10030	850	850	850	850	850
10031	875	875	875	875	875
10032	900	900	900	900	900
10033	925	925	925	925	925
10034	950	950	950	950	950
10035	975	975	975	975	975
10036	1000	1000	1000	1000	1000

COLUMN SECTIONS WITH THERMOWEL BULK



Technical drawing showing a column section with a central hole and a flange-like base. The drawing is labeled 'COLUMN SECTION WITH THERMOWEL BULK' at the bottom.

Code	Ø	Ø	Ø	Ø	Ø
10037	100	100	100	100	100
10038	125	125	125	125	125
10039	150	150	150	150	150
10040	175	175	175	175	175
10041	200	200	200	200	200
10042	225	225	225	225	225
10043	250	250	250	250	250
10044	275	275	275	275	275
10045	300	300	300	300	300
10046	325	325	325	325	325
10047	350	350	350	350	350
10048	375	375	375	375	375
10049	400	400	400	400	400
10050	425	425	425	425	425
10051	450	450	450	450	450
10052	475	475	475	475	475
10053	500	500	500	500	500
10054	525	525	525	525	525
10055	550	550	550	550	550
10056	575	575	575	575	575
10057	600	600	600	600	600
10058	625	625	625	625	625
10059	650	650	650	650	650
10060	675	675	675	675	675
10061	700	700	700	700	700
10062	725	725	725	725	725
10063	750	750	750	750	750
10064	775	775	775	775	775
10065	800	800	800	800	800
10066	825	825	825	825	825
10067	850	850	850	850	850
10068	875	875	875	875	875
10069	900	900	900	900	900
10070	925	925	925	925	925
10071	950	950	950	950	950
10072	975	975	975	975	975
10073	1000	1000	1000	1000	1000

COLUMN COMPONENTS

COLUMN INDEXING PAGES

More components pages to be published in the near future



Code	Size	Net Weight (kg)	Net Volume (m³)	Area (m²)
CC1	40x40	1.1	0.04	0.16
CC2	40x60	1.4	0.05	0.24
CC3	40x80	1.7	0.06	0.32
CC4	40x100	2.0	0.07	0.40
CC5	40x120	2.3	0.08	0.48
CC6	40x140	2.6	0.09	0.56
CC7	40x160	2.9	0.10	0.64
CC8	40x180	3.2	0.11	0.72
CC9	40x200	3.5	0.12	0.80

PIVOT BOLTS



More components pages to be published in the near future

Code	Size	Net Weight (kg)	Net Volume (m³)	Area (m²)
CC10	40x40	1.1	0.04	0.16
CC11	40x60	1.4	0.05	0.24
CC12	40x80	1.7	0.06	0.32

COLUMN TIE BARS

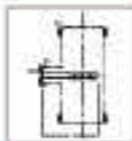


More components pages to be published in the near future

Code	Size	Net Weight (kg)	Net Volume (m³)	Area (m²)
CC13	40x40	1.1	0.04	0.16
CC14	40x60	1.4	0.05	0.24
CC15	40x80	1.7	0.06	0.32
CC16	40x100	2.0	0.07	0.40
CC17	40x120	2.3	0.08	0.48
CC18	40x140	2.6	0.09	0.56
CC19	40x160	2.9	0.10	0.64
CC20	40x180	3.2	0.11	0.72
CC21	40x200	3.5	0.12	0.80

More components pages to be published in the near future

COLUMN FIELD SPANERS



More components pages to be published in the near future

Code	Size	Net Weight (kg)	Net Volume (m³)	Area (m²)
CC22	40x40	1.1	0.04	0.16
CC23	40x60	1.4	0.05	0.24
CC24	40x80	1.7	0.06	0.32
CC25	40x100	2.0	0.07	0.40
CC26	40x120	2.3	0.08	0.48
CC27	40x140	2.6	0.09	0.56
CC28	40x160	2.9	0.10	0.64
CC29	40x180	3.2	0.11	0.72
CC30	40x200	3.5	0.12	0.80

More components pages to be published in the near future

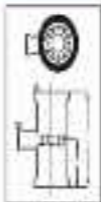
COLUMN COMPONENTS

SPERM FIBER SECTION

See the other materials for more information on this item.

Part	Qty	Part	Qty	Part	Qty
101	1	102	1	103	1
104	1	105	1	106	1
107	1	108	1	109	1
110	1	111	1	112	1
113	1	114	1	115	1

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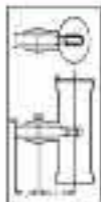


SPERM FIBER PINS

See the other materials for more information on this item.

Part	Qty	Part	Qty	Part	Qty	Part	Qty
101	1	102	1	103	1	104	1
105	1	106	1	107	1	108	1
109	1	110	1	111	1	112	1
113	1	114	1	115	1	116	1
117	1	118	1	119	1	120	1
121	1	122	1	123	1	124	1
125	1	126	1	127	1	128	1
129	1	130	1	131	1	132	1

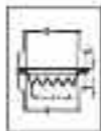
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FITTE (COUNTER) BUYERS

See the other materials for more information on this item.

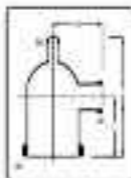
Part	Qty	Part	Qty
101	1	102	1
103	1	104	1
105	1	106	1
107	1	108	1
109	1	110	1
111	1	112	1
113	1	114	1
115	1	116	1





COLUMN COMPONENTS

COLUMN ADAPTERS



Part No.	Ø	Ø	Ø	Ø	Ø	Ø
10001	10	10	10	10	10	10
10002	15	15	15	15	15	15
10003	20	20	20	20	20	20
10004	25	25	25	25	25	25
10005	30	30	30	30	30	30
10006	35	35	35	35	35	35
10007	40	40	40	40	40	40
10008	45	45	45	45	45	45
10009	50	50	50	50	50	50
10010	55	55	55	55	55	55
10011	60	60	60	60	60	60
10012	65	65	65	65	65	65
10013	70	70	70	70	70	70
10014	75	75	75	75	75	75
10015	80	80	80	80	80	80
10016	85	85	85	85	85	85
10017	90	90	90	90	90	90
10018	95	95	95	95	95	95
10019	100	100	100	100	100	100
10020	105	105	105	105	105	105
10021	110	110	110	110	110	110
10022	115	115	115	115	115	115
10023	120	120	120	120	120	120
10024	125	125	125	125	125	125
10025	130	130	130	130	130	130
10026	135	135	135	135	135	135
10027	140	140	140	140	140	140
10028	145	145	145	145	145	145
10029	150	150	150	150	150	150
10030	155	155	155	155	155	155
10031	160	160	160	160	160	160
10032	165	165	165	165	165	165
10033	170	170	170	170	170	170
10034	175	175	175	175	175	175
10035	180	180	180	180	180	180
10036	185	185	185	185	185	185
10037	190	190	190	190	190	190
10038	195	195	195	195	195	195
10039	200	200	200	200	200	200
10040	205	205	205	205	205	205
10041	210	210	210	210	210	210
10042	215	215	215	215	215	215
10043	220	220	220	220	220	220
10044	225	225	225	225	225	225
10045	230	230	230	230	230	230
10046	235	235	235	235	235	235
10047	240	240	240	240	240	240
10048	245	245	245	245	245	245
10049	250	250	250	250	250	250
10050	255	255	255	255	255	255
10051	260	260	260	260	260	260
10052	265	265	265	265	265	265
10053	270	270	270	270	270	270
10054	275	275	275	275	275	275
10055	280	280	280	280	280	280
10056	285	285	285	285	285	285
10057	290	290	290	290	290	290
10058	295	295	295	295	295	295
10059	300	300	300	300	300	300
10060	305	305	305	305	305	305
10061	310	310	310	310	310	310
10062	315	315	315	315	315	315
10063	320	320	320	320	320	320
10064	325	325	325	325	325	325
10065	330	330	330	330	330	330
10066	335	335	335	335	335	335
10067	340	340	340	340	340	340
10068	345	345	345	345	345	345
10069	350	350	350	350	350	350
10070	355	355	355	355	355	355
10071	360	360	360	360	360	360
10072	365	365	365	365	365	365
10073	370	370	370	370	370	370
10074	375	375	375	375	375	375
10075	380	380	380	380	380	380
10076	385	385	385	385	385	385
10077	390	390	390	390	390	390
10078	395	395	395	395	395	395
10079	400	400	400	400	400	400
10080	405	405	405	405	405	405
10081	410	410	410	410	410	410
10082	415	415	415	415	415	415
10083	420	420	420	420	420	420
10084	425	425	425	425	425	425
10085	430	430	430	430	430	430
10086	435	435	435	435	435	435
10087	440	440	440	440	440	440
10088	445	445	445	445	445	445
10089	450	450	450	450	450	450
10090	455	455	455	455	455	455
10091	460	460	460	460	460	460
10092	465	465	465	465	465	465
10093	470	470	470	470	470	470
10094	475	475	475	475	475	475
10095	480	480	480	480	480	480
10096	485	485	485	485	485	485
10097	490	490	490	490	490	490
10098	495	495	495	495	495	495
10099	500	500	500	500	500	500
10100	505	505	505	505	505	505

Alle Angaben sind ohne Gewähr. Änderungen vorbehalten. © 2010 EM.

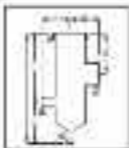
COLUMN COMPONENTS

FLAT TOP COLUMN ADAPTOR

Technical drawing showing dimensions in millimeters.

Part No.	Ø	Ø	Ø	Ø
1001	5	5	5	5
1002	5	5	5	5
1003	10	5	5	5
1004	10	5	5	5
1005	10	5	5	5
1006	10	5	5	5
1007	10	5	5	5
1008	10	5	5	5
1009	10	5	5	5
1010	10	5	5	5
1011	10	5	5	5
1012	10	5	5	5
1013	10	5	5	5
1014	10	5	5	5
1015	10	5	5	5
1016	10	5	5	5
1017	10	5	5	5
1018	10	5	5	5
1019	10	5	5	5
1020	10	5	5	5
1021	10	5	5	5
1022	10	5	5	5
1023	10	5	5	5
1024	10	5	5	5
1025	10	5	5	5
1026	10	5	5	5
1027	10	5	5	5
1028	10	5	5	5
1029	10	5	5	5
1030	10	5	5	5
1031	10	5	5	5
1032	10	5	5	5
1033	10	5	5	5
1034	10	5	5	5
1035	10	5	5	5
1036	10	5	5	5
1037	10	5	5	5
1038	10	5	5	5
1039	10	5	5	5
1040	10	5	5	5
1041	10	5	5	5
1042	10	5	5	5
1043	10	5	5	5
1044	10	5	5	5
1045	10	5	5	5
1046	10	5	5	5
1047	10	5	5	5
1048	10	5	5	5
1049	10	5	5	5
1050	10	5	5	5
1051	10	5	5	5
1052	10	5	5	5
1053	10	5	5	5
1054	10	5	5	5
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1056	10	5	5	5
1057	10	5	5	5
1058	10	5	5	5
1059	10	5	5	5
1060	10	5	5	5
1061	10	5	5	5
1062	10	5	5	5
1063	10	5	5	5
1064	10	5	5	5
1065	10	5	5	5
1066	10	5	5	5
1067	10	5	5	5
1068	10	5	5	5
1069	10	5	5	5
1070	10	5	5	5
1071	10	5	5	5
1072	10	5	5	5
1073	10	5	5	5
1074	10	5	5	5
1075	10	5	5	5
1076	10	5	5	5
1077	10	5	5	5
1078	10	5	5	5
1079	10	5	5	5
1080	10	5	5	5
1081	10	5	5	5
1082	10	5	5	5
1083	10	5	5	5
1084	10	5	5	5
1085	10	5	5	5
1086	10	5	5	5
1087	10	5	5	5
1088	10	5	5	5
1089	10	5	5	5
1090	10	5	5	5
1091	10	5	5	5
1092	10	5	5	5
1093	10	5	5	5
1094	10	5	5	5
1095	10	5	5	5
1096	10	5	5	5
1097	10	5	5	5
1098	10	5	5	5
1099	10	5	5	5
1100	10	5	5	5

Part No.	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø	Ø
1101	5	5	5	5	5	5	5	5	5
1102	5	5	5	5	5	5	5	5	5
1103	5	5	5	5	5	5	5	5	5
1104	5	5	5	5	5	5	5	5	5
1105	5	5	5	5	5	5	5	5	5
1106	5	5	5	5	5	5	5	5	5
1107	5	5	5	5	5	5	5	5	5
1108	5	5	5	5	5	5	5	5	5
1109	5	5	5	5	5	5	5	5	5
1110	5	5	5	5	5	5	5	5	5
1111	5	5	5	5	5	5	5	5	5
1112	5	5	5	5	5	5	5	5	5
1113	5	5	5	5	5	5	5	5	5
1114	5	5	5	5	5	5	5	5	5
1115	5	5	5	5	5	5	5	5	5
1116	5	5	5	5	5	5	5	5	5
1117	5	5	5	5	5	5	5	5	5
1118	5	5	5	5	5	5	5	5	5
1119	5	5	5	5	5	5	5	5	5
1120	5	5	5	5	5	5	5	5	5
1121	5	5	5	5	5	5	5	5	5
1122	5	5	5	5	5	5	5	5	5
1123	5	5	5	5	5	5	5	5	5
1124	5	5	5	5	5	5	5	5	5
1125	5	5	5	5	5	5	5	5	5
1126	5	5	5	5	5	5	5	5	5
1127	5	5	5	5	5	5	5	5	5
1128	5	5	5	5	5	5	5	5	5
1129	5	5	5	5	5	5	5	5	5
1130	5	5	5	5	5	5	5	5	5
1131	5	5	5	5	5	5	5	5	5
1132	5	5	5	5	5	5	5	5	5
1133	5	5	5	5	5	5	5	5	5
1134	5	5	5	5	5	5	5	5	5
1135	5	5	5	5	5	5	5	5	5
1136	5	5	5	5	5	5	5	5	5
1137	5	5	5	5	5	5	5	5	5
1138	5	5	5	5	5	5	5	5	5
1139	5	5	5	5	5	5	5	5	5
1140	5	5	5	5	5	5	5	5	5
1141	5	5	5	5	5	5	5	5	5
1142	5	5	5	5	5	5	5	5	5
1143	5	5	5	5	5	5	5	5	5
1144	5	5	5	5	5	5	5	5	5
1145	5	5	5	5	5	5	5	5	5
1146	5	5	5	5	5	5	5	5	5
1147	5	5	5	5	5	5	5	5	5
1148	5	5	5	5	5	5	5	5	5
1149	5	5	5	5	5	5	5	5	5
1150	5	5	5	5	5	5	5	5	5
1151	5	5	5	5	5	5	5	5	5
1152	5	5	5	5	5	5	5	5	5
1153	5	5	5	5	5	5	5	5	5
1154	5	5	5	5	5	5	5	5	5
1155	5	5	5	5	5	5	5	5	5
1156	5	5	5	5	5	5	5	5	5
1157	5	5	5	5	5	5	5	5	5
1158	5	5	5	5	5	5	5	5	5
1159	5	5	5	5	5	5	5	5	5
1160	5	5	5	5	5	5	5	5	5
1161	5	5	5	5	5	5	5	5	5
1162	5	5	5	5	5	5	5	5	5
1163	5	5	5	5	5	5	5	5	5
1164	5	5	5	5	5	5	5	5	5
1165	5	5	5	5	5	5	5	5	5
1166	5	5	5	5	5	5	5	5	5
1167	5	5	5	5	5	5	5	5	5
1168	5	5	5	5	5	5	5	5	5
1169	5	5	5	5	5	5	5	5	5
1170	5	5	5	5	5	5	5	5	5
1171	5	5	5	5	5	5	5	5	5
1172	5	5	5	5	5	5	5	5	5
1173	5	5	5	5	5	5	5	5	5
1174	5	5	5	5	5	5	5	5	5
1175	5	5	5	5	5	5	5	5	5
1176	5	5	5	5	5	5	5	5	5
1177	5	5	5	5	5	5	5	5	5
1178	5	5	5	5	5	5	5	5	5
1179	5	5	5	5	5	5	5	5	5
1180	5	5	5	5	5	5	5	5	5
1181	5	5	5	5	5	5	5	5	5
1182	5	5	5	5	5	5	5	5	5
1183	5	5	5	5	5	5	5	5	5
1184	5	5	5	5	5	5	5	5	5
1185	5	5	5	5	5	5	5	5	5
1186	5	5	5	5	5	5	5	5	5
1187	5	5	5	5	5	5	5	5	5
1188	5	5	5	5	5	5	5	5	5
1189	5	5	5	5	5	5	5	5	5
1190	5	5	5	5	5	5	5	5	5
1191	5	5	5	5	5	5	5	5	5
1192	5	5	5	5	5	5	5	5	5
1193	5	5	5	5	5	5	5	5	5
1194	5	5	5	5	5	5	5	5	5
1195	5	5	5	5	5	5	5	5	5
1196	5	5	5	5	5	5	5	5	5
1197	5	5	5	5	5	5	5	5	5
1198	5	5	5	5	5	5	5	5	5
1199	5	5	5	5	5	5	5	5	5
1200	5	5	5	5	5	5	5	5	5



NET-JACK ENVOYERS

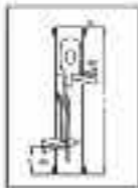
Assembly Symbols

These symbols are used to identify the parts in the assembly drawings and to identify the parts in the assembly drawings.

Part No.	Ø	Ø	Ø	Ø	Ø	Ø	Ø
1201	5	5	5	5	5	5	5
1202	5	5	5	5	5	5	5
1203	5	5	5	5	5	5	5
1204	5	5	5	5	5	5	5
1205	5	5	5	5	5	5	5
1206	5	5	5	5	5	5	5
1207	5	5	5	5	5	5	5
1208	5	5	5	5	5	5	5
1209	5	5	5	5	5	5	5
1210	5	5	5	5	5	5	5
1211	5	5	5	5	5	5	5
1212	5	5	5	5	5	5	5
1213	5	5	5	5	5	5	5
1214	5	5	5	5	5	5	5
1215	5	5	5	5	5	5	5
1216	5	5	5	5	5	5	5
1217	5						

COLUMN COMPONENTS

Temperature Control



These column components are normally fabricated with a 3/16" (4.8 mm) diameter bore. They have a standard 1/8" (3.2 mm) diameter side port. Assembly and use instructions are available in the literature. Details and dimensions are shown in the following table.

Part No.	OD	ID	HT	L	W	Port Diameter	Port HT
1000	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1001	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1002	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1003	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1004	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1005	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1006	1.00	0.75	2.00	1.00	0.50	0.375	0.50
1007	1.00	0.75	2.00	1.00	0.50	0.375	0.50

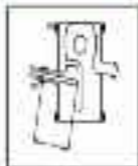
EM readily customizes these parts. Contact EM for details and pricing. Details and dimensions are shown in the following table.

PNEUMATIC COLUMN DESIGN



Part No.	OD	ID	HT	L
1008	1.00	0.75	2.00	1.00
1009	1.00	0.75	2.00	1.00
1010	1.00	0.75	2.00	1.00
1011	1.00	0.75	2.00	1.00
1012	1.00	0.75	2.00	1.00

THERMOMETER PORTS FOR RHEO DESIGN



These components are used to provide information on the flow rate of the fluid in the column. Details and dimensions are shown in the following table.

Part No.	OD	ID	L	HT
1013	1.00	0.75	1.00	0.50
1014	1.00	0.75	1.00	0.50
1015	1.00	0.75	1.00	0.50
1016	1.00	0.75	1.00	0.50
1017	1.00	0.75	1.00	0.50
1018	1.00	0.75	1.00	0.50

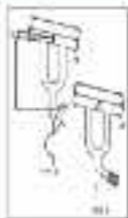
COLUMN COMPONENTS

U33'S HEAD

U33's head is available with either a 1/2" or 3/4" diameter head. The 1/2" head is the standard configuration.

U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"

U33'S HEAD



COLUMN SECTION WITHIN THE MOBILE SUPPORT

U33's head is available with either a 1/2" or 3/4" diameter head.

U33's head is available with either a 1/2" or 3/4" diameter head.

- U33's head is available with either a 1/2" or 3/4" diameter head.
- U33's head is available with either a 1/2" or 3/4" diameter head.
- U33's head is available with either a 1/2" or 3/4" diameter head.
- U33's head is available with either a 1/2" or 3/4" diameter head.

U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"	U33'S HEAD	U33'S HEAD
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"	U33'S HEAD	U33'S HEAD
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"	U33'S HEAD	U33'S HEAD
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"	U33'S HEAD	U33'S HEAD
U33'S HEAD	1/2"	3/4"	1"	1 1/4"	1 1/2"	U33'S HEAD	U33'S HEAD



MEASUREMENT AND CONTROL

OPTIMIZING THE MEASUREMENT



Measuring and controlling systems are complex systems.

Optimizing the measurement system is a task that requires a lot of experience.

Optimizing the measurement system is a task that requires a lot of experience. The following table shows the typical range of values for the different parameters of a measurement system.

Parameter	Typical Range	Unit
Gain	1	1
Offset	0	1
Linearity	1	1
Resolution	1	1

ELECTRO-MAGNETS



Electro-magnets are used to generate a magnetic field. They are used in many applications, such as in the production of magnetic fields for research and in the production of magnetic fields for industrial processes. The following table shows the typical range of values for the different parameters of an electro-magnet system.

Parameter	Typical Range
Current	100
Voltage	100

TVR

TVR is a measure of the total variation in the system. It is a measure of the total variation in the system, which is the sum of the variation in the system and the variation in the measurement system.

The following table shows the typical range of values for the different parameters of a TVR system.

Parameter	Typical Range
TVR	100

COUPLINGS AND GASKETS



1. Couplings and gaskets are used to connect pipes and vessels.

2. They are used to prevent leakage.

3. They are used to connect pipes and vessels.

4. They are used to connect pipes and vessels.

5. They are used to connect pipes and vessels.

6. They are used to connect pipes and vessels.



COUPLINGS

COMPOSITE COUPLING



Type	Material	Nominal diam. (mm)				Pitch (mm)			
		100	125	160	200	100	125	160	200
100	100	100	100	100	100	100	100	100	100
125	125	125	125	125	125	125	125	125	125
160	160	160	160	160	160	160	160	160	160
200	200	200	200	200	200	200	200	200	200
250	250	250	250	250	250	250	250	250	250
300	300	300	300	300	300	300	300	300	300
350	350	350	350	350	350	350	350	350	350
400	400	400	400	400	400	400	400	400	400
450	450	450	450	450	450	450	450	450	450
500	500	500	500	500	500	500	500	500	500
550	550	550	550	550	550	550	550	550	550
600	600	600	600	600	600	600	600	600	600
650	650	650	650	650	650	650	650	650	650
700	700	700	700	700	700	700	700	700	700
750	750	750	750	750	750	750	750	750	750
800	800	800	800	800	800	800	800	800	800
850	850	850	850	850	850	850	850	850	850
900	900	900	900	900	900	900	900	900	900
950	950	950	950	950	950	950	950	950	950
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

DUCTILE IRON COUPLINGS



Type	Material	Nominal diam. (mm)	Pitch (mm)
100	100	100	100
125	125	125	125
160	160	160	160
200	200	200	200
250	250	250	250
300	300	300	300
350	350	350	350
400	400	400	400
450	450	450	450
500	500	500	500
550	550	550	550
600	600	600	600
650	650	650	650
700	700	700	700
750	750	750	750
800	800	800	800
850	850	850	850
900	900	900	900
950	950	950	950
1000	1000	1000	1000

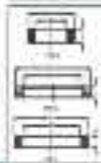
For a complete list of dimensions and technical specifications, please refer to the technical drawing or the technical specifications sheet. The dimensions are given in millimeters (mm) and the pitch is given in millimeters (mm).

BACK FLANGES



Type	Material	Nominal diam. (mm)				Pitch (mm)			
		100	125	160	200	100	125	160	200
100	100	100	100	100	100	100	100	100	100
125	125	125	125	125	125	125	125	125	125
160	160	160	160	160	160	160	160	160	160
200	200	200	200	200	200	200	200	200	200
250	250	250	250	250	250	250	250	250	250
300	300	300	300	300	300	300	300	300	300
350	350	350	350	350	350	350	350	350	350
400	400	400	400	400	400	400	400	400	400
450	450	450	450	450	450	450	450	450	450
500	500	500	500	500	500	500	500	500	500
550	550	550	550	550	550	550	550	550	550
600	600	600	600	600	600	600	600	600	600
650	650	650	650	650	650	650	650	650	650
700	700	700	700	700	700	700	700	700	700
750	750	750	750	750	750	750	750	750	750
800	800	800	800	800	800	800	800	800	800
850	850	850	850	850	850	850	850	850	850
900	900	900	900	900	900	900	900	900	900
950	950	950	950	950	950	950	950	950	950
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

BOCES



Type	Material	Nominal diam. (mm)	Pitch (mm)
100	100	100	100
125	125	125	125
160	160	160	160
200	200	200	200
250	250	250	250
300	300	300	300
350	350	350	350
400	400	400	400
450	450	450	450
500	500	500	500
550	550	550	550
600	600	600	600
650	650	650	650
700	700	700	700
750	750	750	750
800	800	800	800
850	850	850	850
900	900	900	900
950	950	950	950
1000	1000	1000	1000

COUPLINGS

ADAPTANCES (FLANGES)

Adaptances provide the perfect mechanical connection for any two shafts having a single standard or multiple shaft diameters. They are available in a wide variety of materials and finishes. They are designed to meet the requirements of the ISO 10461 and ISO 10462 standards.

Standard

ADAPTANCE	SH	FLANGE
1000	10	100
1001	10	100
1002	10	100
1003	10	100
1004	10	100
1005	10	100
1006	10	100
1007	10	100
1008	10	100
1009	10	100
1010	10	100

Standard

ADAPTANCE	SH	FLANGE
1011	10	100
1012	10	100
1013	10	100
1014	10	100
1015	10	100
1016	10	100
1017	10	100
1018	10	100
1019	10	100
1020	10	100

Standard

ADAPTANCE	SH	FLANGE
1021	10	100
1022	10	100
1023	10	100
1024	10	100
1025	10	100
1026	10	100
1027	10	100
1028	10	100
1029	10	100
1030	10	100
1031	10	100

Standard

ADAPTANCE	SH	FLANGE
1032	10	100
1033	10	100
1034	10	100
1035	10	100
1036	10	100
1037	10	100
1038	10	100
1039	10	100
1040	10	100
1041	10	100
1042	10	100



TYPE OF BONDING JOINTING COLLAR

These collars are used to connect two shafts of different diameters. They are available in a wide variety of materials and finishes. They are designed to meet the requirements of the ISO 10461 and ISO 10462 standards.

ADAPTANCE	SH	FLANGE
1043	10	100
1044	10	100
1045	10	100
1046	10	100
1047	10	100
1048	10	100
1049	10	100
1050	10	100
1051	10	100
1052	10	100
1053	10	100
1054	10	100
1055	10	100
1056	10	100
1057	10	100
1058	10	100
1059	10	100
1060	10	100
1061	10	100
1062	10	100
1063	10	100
1064	10	100
1065	10	100
1066	10	100
1067	10	100
1068	10	100
1069	10	100
1070	10	100
1071	10	100
1072	10	100
1073	10	100
1074	10	100
1075	10	100
1076	10	100
1077	10	100
1078	10	100
1079	10	100
1080	10	100
1081	10	100
1082	10	100
1083	10	100
1084	10	100
1085	10	100
1086	10	100
1087	10	100
1088	10	100
1089	10	100
1090	10	100
1091	10	100
1092	10	100
1093	10	100
1094	10	100
1095	10	100
1096	10	100
1097	10	100
1098	10	100
1099	10	100
1100	10	100



TYPE COLLARS - (S.A.S) TO (E.A.S)

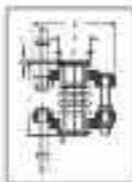
These collars are used to connect two shafts of different diameters. They are available in a wide variety of materials and finishes. They are designed to meet the requirements of the ISO 10461 and ISO 10462 standards.

ADAPTANCE	SH	FLANGE
1101	10	100
1102	10	100
1103	10	100
1104	10	100
1105	10	100
1106	10	100
1107	10	100
1108	10	100
1109	10	100
1110	10	100
1111	10	100
1112	10	100
1113	10	100
1114	10	100
1115	10	100
1116	10	100
1117	10	100
1118	10	100
1119	10	100
1120	10	100
1121	10	100
1122	10	100
1123	10	100
1124	10	100
1125	10	100
1126	10	100
1127	10	100
1128	10	100
1129	10	100
1130	10	100
1131	10	100
1132	10	100
1133	10	100
1134	10	100
1135	10	100
1136	10	100
1137	10	100
1138	10	100
1139	10	100
1140	10	100
1141	10	100
1142	10	100
1143	10	100
1144	10	100
1145	10	100
1146	10	100
1147	10	100
1148	10	100
1149	10	100
1150	10	100





PTFE BELLOWS



SIZE	IN	OUT	W	H	L
100	10	12	10	10	10
125	12.5	15	12.5	12.5	12.5
150	15	18	15	15	15
200	20	24	20	20	20
250	25	30	25	25	25
300	30	36	30	30	30
350	35	42	35	35	35
400	40	48	40	40	40
450	45	54	45	45	45
500	50	60	50	50	50
550	55	66	55	55	55
600	60	72	60	60	60
650	65	78	65	65	65
700	70	84	70	70	70
750	75	90	75	75	75
800	80	96	80	80	80
850	85	102	85	85	85
900	90	108	90	90	90
950	95	114	95	95	95
1000	100	120	100	100	100

NOTES

1. All dimensions are in millimeters unless otherwise stated. 2. All dimensions are to be maintained unless otherwise specified. 3. All dimensions are to be maintained unless otherwise specified.

SIZE	IN	OUT	W	H	L	W	H	L
100	10	12	10	10	10	10	10	10
125	12.5	15	12.5	12.5	12.5	12.5	12.5	12.5
150	15	18	15	15	15	15	15	15
200	20	24	20	20	20	20	20	20
250	25	30	25	25	25	25	25	25
300	30	36	30	30	30	30	30	30
350	35	42	35	35	35	35	35	35
400	40	48	40	40	40	40	40	40
450	45	54	45	45	45	45	45	45
500	50	60	50	50	50	50	50	50
550	55	66	55	55	55	55	55	55
600	60	72	60	60	60	60	60	60
650	65	78	65	65	65	65	65	65
700	70	84	70	70	70	70	70	70
750	75	90	75	75	75	75	75	75
800	80	96	80	80	80	80	80	80
850	85	102	85	85	85	85	85	85
900	90	108	90	90	90	90	90	90
950	95	114	95	95	95	95	95	95
1000	100	120	100	100	100	100	100	100

PTFE BELLOWS - 21401 TO MEVAL

1. All dimensions are in millimeters unless otherwise stated.

2. All dimensions are to be maintained unless otherwise specified.

3. All dimensions are to be maintained unless otherwise specified.

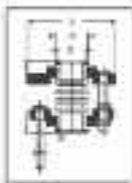
NOTES

SIZE	IN	OUT	W	H	L	W	H	L
100	10	12	10	10	10	10	10	10
125	12.5	15	12.5	12.5	12.5	12.5	12.5	12.5
150	15	18	15	15	15	15	15	15
200	20	24	20	20	20	20	20	20
250	25	30	25	25	25	25	25	25
300	30	36	30	30	30	30	30	30
350	35	42	35	35	35	35	35	35
400	40	48	40	40	40	40	40	40
450	45	54	45	45	45	45	45	45
500	50	60	50	50	50	50	50	50
550	55	66	55	55	55	55	55	55
600	60	72	60	60	60	60	60	60
650	65	78	65	65	65	65	65	65
700	70	84	70	70	70	70	70	70
750	75	90	75	75	75	75	75	75
800	80	96	80	80	80	80	80	80
850	85	102	85	85	85	85	85	85
900	90	108	90	90	90	90	90	90
950	95	114	95	95	95	95	95	95
1000	100	120	100	100	100	100	100	100

NOTES

SIZE	IN	OUT	W	H	L	W	H	L
100	10	12	10	10	10	10	10	10
125	12.5	15	12.5	12.5	12.5	12.5	12.5	12.5
150	15	18	15	15	15	15	15	15
200	20	24	20	20	20	20	20	20
250	25	30	25	25	25	25	25	25
300	30	36	30	30	30	30	30	30
350	35	42	35	35	35	35	35	35
400	40	48	40	40	40	40	40	40
450	45	54	45	45	45	45	45	45
500	50	60	50	50	50	50	50	50
550	55	66	55	55	55	55	55	55
600	60	72	60	60	60	60	60	60
650	65	78	65	65	65	65	65	65
700	70	84	70	70	70	70	70	70
750	75	90	75	75	75	75	75	75
800	80	96	80	80	80	80	80	80
850	85	102	85	85	85	85	85	85
900	90	108	90	90	90	90	90	90
950	95	114	95	95	95	95	95	95
1000	100	120	100	100	100	100	100	100

1. All dimensions are in millimeters unless otherwise stated.



COUPLINGS

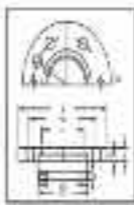
BELLOW FLANGES

These couplings consist of a flange with a bellowed section and a hub for the shaft. The bellow section is made of 17% nickel alloy steel. The flange is made of 17% nickel alloy steel. The hub is made of 17% nickel alloy steel. The bellow section is made of 17% nickel alloy steel.

Series	DN	PN	PN	PN	PN	PN	PN	PN
100	100	10	10	10	10	10	10	10
150	150	10	10	10	10	10	10	10
200	200	10	10	10	10	10	10	10
250	250	10	10	10	10	10	10	10
300	300	10	10	10	10	10	10	10
350	350	10	10	10	10	10	10	10
400	400	10	10	10	10	10	10	10
450	450	10	10	10	10	10	10	10
500	500	10	10	10	10	10	10	10
550	550	10	10	10	10	10	10	10
600	600	10	10	10	10	10	10	10
650	650	10	10	10	10	10	10	10
700	700	10	10	10	10	10	10	10
750	750	10	10	10	10	10	10	10
800	800	10	10	10	10	10	10	10
850	850	10	10	10	10	10	10	10
900	900	10	10	10	10	10	10	10
950	950	10	10	10	10	10	10	10
1000	1000	10	10	10	10	10	10	10

Weights

Series	DN	PN	PN	PN	PN
100	100	10	10	10	10
150	150	10	10	10	10
200	200	10	10	10	10
250	250	10	10	10	10
300	300	10	10	10	10
350	350	10	10	10	10
400	400	10	10	10	10
450	450	10	10	10	10
500	500	10	10	10	10
550	550	10	10	10	10
600	600	10	10	10	10
650	650	10	10	10	10
700	700	10	10	10	10
750	750	10	10	10	10
800	800	10	10	10	10
850	850	10	10	10	10
900	900	10	10	10	10
950	950	10	10	10	10
1000	1000	10	10	10	10



ADAPTER BELLOW FLANGES

These couplings consist of a flange with a bellowed section and a hub for the shaft. The bellow section is made of 17% nickel alloy steel. The flange is made of 17% nickel alloy steel. The hub is made of 17% nickel alloy steel.

These couplings are used for connecting two pipes of different diameters. The bellow section is made of 17% nickel alloy steel.

These couplings are used for connecting two pipes of different diameters. The bellow section is made of 17% nickel alloy steel.

Series 100

DN	PN	PN	PN	PN
100	10	10	10	10
150	10	10	10	10
200	10	10	10	10
250	10	10	10	10
300	10	10	10	10
350	10	10	10	10
400	10	10	10	10
450	10	10	10	10
500	10	10	10	10
550	10	10	10	10
600	10	10	10	10
650	10	10	10	10
700	10	10	10	10
750	10	10	10	10
800	10	10	10	10
850	10	10	10	10
900	10	10	10	10
950	10	10	10	10
1000	10	10	10	10

Series 150

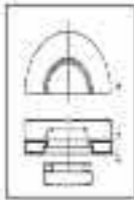
DN	PN	PN	PN	PN
150	10	10	10	10
200	10	10	10	10
250	10	10	10	10
300	10	10	10	10
350	10	10	10	10
400	10	10	10	10
450	10	10	10	10
500	10	10	10	10
550	10	10	10	10
600	10	10	10	10
650	10	10	10	10
700	10	10	10	10
750	10	10	10	10
800	10	10	10	10
850	10	10	10	10
900	10	10	10	10
950	10	10	10	10
1000	10	10	10	10

Series 200

DN	PN	PN	PN	PN
200	10	10	10	10
250	10	10	10	10
300	10	10	10	10
350	10	10	10	10
400	10	10	10	10
450	10	10	10	10
500	10	10	10	10
550	10	10	10	10
600	10	10	10	10
650	10	10	10	10
700	10	10	10	10
750	10	10	10	10
800	10	10	10	10
850	10	10	10	10
900	10	10	10	10
950	10	10	10	10
1000	10	10	10	10

Series 250

DN	PN	PN	PN	PN
250	10	10	10	10
300	10	10	10	10
350	10	10	10	10
400	10	10	10	10
450	10	10	10	10
500	10	10	10	10
550	10	10	10	10
600	10	10	10	10
650	10	10	10	10
700	10	10	10	10
750	10	10	10	10
800	10	10	10	10
850	10	10	10	10
900	10	10	10	10
950	10	10	10	10
1000	10	10	10	10





STRUCTURE AND SUPPORTS



EMV is a leading manufacturer of metal structural components and supports for the construction industry. Our products are designed to meet the highest standards of quality and performance.

STRUCTURE AND SUPPORTS

1.1 POST OF COLUMN

The post or column itself is subject to axial compression and bending moments due to the weight of the slab and other loads.

It is subjected to axial compression and bending moments due to the weight of the slab and other loads. It is also subjected to lateral loads due to wind and earthquake.

It is subjected to axial compression and bending moments.

It is subjected to axial compression and bending moments.

It is subjected to axial compression and bending moments.

It is subjected to axial compression and bending moments.



1.2 ACTIVE TUBES, GALVANIZED

These tubes are used for various purposes. They are made of galvanized steel and are available in various sizes and thicknesses. They are used for various purposes, including structural applications.

T ₁ (mm)		T ₂ (mm)		T ₃ (mm)	
10	12	14	16	18	20
22	24	26	28	30	32
34	36	38	40	42	44
46	48	50	52	54	56
60	62	64	66	68	70

Table 1.1

T ₁ (mm)	T ₂ (mm)				
	10	12	14	16	18
10	10	12	14	16	18
12	12	14	16	18	20
14	14	16	18	20	22
16	16	18	20	22	24
18	18	20	22	24	26

Table 1.2

T ₁ (mm)	T ₂ (mm)				
	10	12	14	16	18
10	10	12	14	16	18
12	12	14	16	18	20
14	14	16	18	20	22
16	16	18	20	22	24
18	18	20	22	24	26

Table 1.3

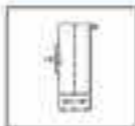
T ₁ (mm)	T ₂ (mm)				
	10	12	14	16	18
10	10	12	14	16	18
12	12	14	16	18	20
14	14	16	18	20	22
16	16	18	20	22	24
18	18	20	22	24	26

Table 1.4

T ₁ (mm)	T ₂ (mm)				
	10	12	14	16	18
10	10	12	14	16	18
12	12	14	16	18	20
14	14	16	18	20	22
16	16	18	20	22	24
18	18	20	22	24	26



STRUCTURE FITTINGS



These structure fittings are used to provide a vertical support and to secure the signal conductors to the structure. It is used to secure signal conductors.

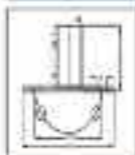
We provide a complete range of structure fittings.

We help you select the right structure fitting for your design by providing the following information.

STRUCTURE FITTING - GENERAL DATA

Part No.	Material	Ø	Height	Y
100	Al	8	10	10
101	Al	8	15	10
102	Al	8	20	10
103	Al	8	25	10

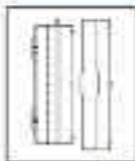
Product No.: 01
SMB



These structure fittings are used to secure the signal conductors.

Part No.	Material	Ø	Height	Y	Ø
104	Al	8	10	10	10
105	Al	8	15	10	10

Product No.: 01
COUPLER



These structure fittings are used to secure the signal conductors.

Part No.	Material	Ø	Height	Y	Ø
106	Al	8	10	10	10
107	Al	8	15	10	10
108	Al	8	20	10	10

Product No.: 01
SMB



These structure fittings are used to secure the signal conductors.

Part No.	Material	Ø	Height	Y	Ø
109	Al	8	10	10	10
110	Al	8	15	10	10

STRUCTURE AND SUPPORTS

FRONT VIEW (TOP)

TIT

ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	TIT	1	EA
2	1	FRONT VIEW (TOP)	1	EA
3	1	FRONT VIEW (SIDE)	1	EA
4	1	FRONT VIEW (FRONT)	1	EA



FRONT VIEW (SIDE)

DOUBLE END

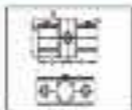
ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	DOUBLE END	1	EA
2	1	FRONT VIEW (SIDE)	1	EA
3	1	FRONT VIEW (FRONT)	1	EA
4	1	FRONT VIEW (TOP)	1	EA



FRONT VIEW (FRONT)

DOUBLE TIT

ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	DOUBLE TIT	1	EA
2	1	FRONT VIEW (FRONT)	1	EA
3	1	FRONT VIEW (SIDE)	1	EA
4	1	FRONT VIEW (TOP)	1	EA



FRONT VIEW (TOP)

TELE. / FM. / OT

ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	TELE. / FM. / OT	1	EA
2	1	FRONT VIEW (FRONT)	1	EA
3	1	FRONT VIEW (SIDE)	1	EA
4	1	FRONT VIEW (TOP)	1	EA



FRONT VIEW (SIDE)

WOODEN BASKET

ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	WOODEN BASKET	1	EA
2	1	FRONT VIEW (FRONT)	1	EA
3	1	FRONT VIEW (SIDE)	1	EA
4	1	FRONT VIEW (TOP)	1	EA



FRONT VIEW (FRONT)

CROSS

ITEM	NO.	DESCRIPTION	QTY	UNIT
1	1	CROSS	1	EA
2	1	FRONT VIEW (FRONT)	1	EA
3	1	FRONT VIEW (SIDE)	1	EA
4	1	FRONT VIEW (TOP)	1	EA



STRUCTURE AND SUPPORTS

STRUCTURE

SUPPORT



Model	Ø	h	h ₁	h ₂
ST 100	100	100	100	100
ST 125	125	125	125	125
ST 150	150	150	150	150
ST 200	200	200	200	200
ST 250	250	250	250	250

STRUCTURE

PLATE



Technical drawing of a vertical cylindrical plate.

Model	Ø
PL 100	100
PL 125	125
PL 150	150
PL 200	200
PL 250	250

STRUCTURE

STEEL

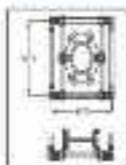


Technical drawing of a horizontal steel beam.

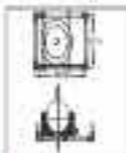
Model	h	b
ST 100	100	100
ST 125	125	125
ST 150	150	150

STRUCTURE MOUNTS

Ø 100 - 250



Ø	Structure height (mm)	Mount height (mm)
100	100	100
125	125	125
150	150	150
200	200	200
250	250	250



STRUCTURE IS FIXED TO WALL

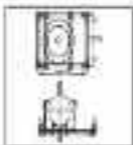
Ø	Structure height (mm)	Mount height (mm)
100	100	100
125	125	125
150	150	150
200	200	200

Technical drawing of a structure mount.

STRUCTURE AND SUPPORTS

STANDARD SUPPORTS

Model	Standard Weight kg	Weight with Accessories kg
ST	10	11,5
ST	10	11,5
ST	10	11,5
ST	10	11,5



STANDARD SUPPORTS (continued)

Model	Standard Weight kg	Weight with Accessories kg
ST	10	11,5
ST	10	11,5
ST	10	11,5
ST	10	11,5



COLUMN BASE SUPPORT FRAMES

These units are designed to support the weight of the column and to provide a stable base for the column.

Model	Weight kg	Weight with Accessories kg	Weight with Accessories kg	Weight with Accessories kg
ST	10	11,5	11,5	11,5
ST	10	11,5	11,5	11,5
ST	10	11,5	11,5	11,5
ST	10	11,5	11,5	11,5
ST	10	11,5	11,5	11,5



STRUCTURE AND SUPPORTS

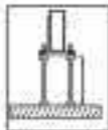
GROUNDING



1) Insulation and seal for fasteners, per all IEC.



2) If the side is TIE a hole, use a metal seal (See for fasteners).



3) If the assembly is the first and requires insulation for EMC, use a ring seal.



4) Metal enclosure required for both side TIE & TIE through the hole (See IEC 60950-1).



5) Power requirement for each TIE unless a rating is given, see method for all IEC.

STRUCTURE AND SUPPORTS

ASSEMBLING OF STRUCTURE





SIGHT GLASS



As per standard EN 827-1, the sight glass is made of stainless steel. It is available in different sizes and configurations to suit your needs. It is also available in different materials.

The sight glass is used to monitor the level of the liquid in the tank. It is available in different sizes and configurations to suit your needs. It is also available in different materials.

The sight glass is used to monitor the level of the liquid in the tank. It is available in different sizes and configurations to suit your needs. It is also available in different materials.

For more information, please contact us at info@em.com.

MS 10000 SIGHT GLASS

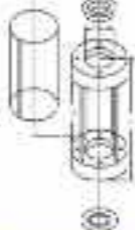
DN	DN	DN	DN	DN	DN
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50

MS 20000 SIGHT GLASS

DN	DN	DN	DN	DN	DN
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50

MS 30000 SIGHT GLASS

DN	DN	DN	DN	DN	DN
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50
15	20	25	32	40	50



STANDARD UNITS



PRODUCTS

Our products are designed to help you improve the efficiency of your production and reduce your energy consumption. We have a range of products that can help you to reduce your energy consumption and improve your production efficiency.

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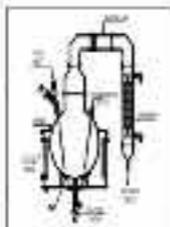
STANDARD UNITS

SIMPLE DISTILLATION UNIT

Capacity: 1000 ml (approx. 1 liter) of liquid. Suitable for simple distillation of liquids with boiling points below 100°C.

It consists of a round-bottom flask, a condenser, a receiver, and a thermometer.

Part	Material	Qty	Part	Material
1	Round-bottom flask	1	2	Condenser
3	Receiver	1	4	Thermometer
5	Clamp	1	6	Clamp
7	Clamp	1	8	Clamp
9	Clamp	1	10	Clamp
11	Clamp	1	12	Clamp



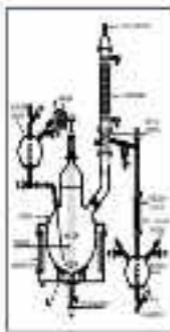
REACTION UNIT

Capacity: 1000 ml (approx. 1 liter) of liquid. Suitable for reactions involving liquids and solids.

It consists of a round-bottom flask, a condenser, a receiver, and a thermometer.

It is used for reactions involving liquids and solids.

Part	Material	Qty	Part	Material
1	Round-bottom flask	1	2	Condenser
3	Receiver	1	4	Thermometer
5	Clamp	1	6	Clamp
7	Clamp	1	8	Clamp
9	Clamp	1	10	Clamp
11	Clamp	1	12	Clamp



STANDARD UNITS

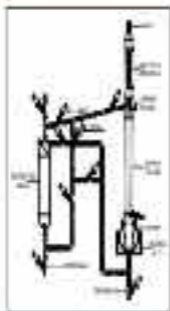
LIQUID LIQUID EXTRACT UNIT

This device enables you to extract liquid samples without the need for any special processing up to a maximum of 1000 µl.

The device consists of a stainless steel body with a 1000 µl syringe and a 1000 µl pipette tip. The syringe is made of stainless steel and is graduated in 100 µl increments. The pipette tip is made of polypropylene and is graduated in 10 µl increments. The device is used to extract liquid samples from a sample container into a vial.

For more information, visit www.pvi.com or contact your local distributor.

Part No.	Material	Volume	Capacity	Dimensions	Weight
LIQ-LIQUID-EXTRACT-UNIT	Stainless Steel	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
LIQ-LIQUID-EXTRACT-UNIT-1000	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
LIQ-LIQUID-EXTRACT-UNIT-1000-100	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
LIQ-LIQUID-EXTRACT-UNIT-1000-100-10	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g



SOLID LIQUID EXTRACT UNIT

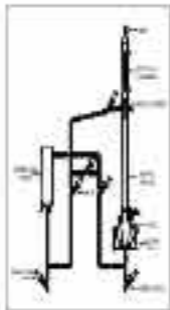
This device enables you to extract solid samples without the need for any special processing up to a maximum of 1000 µl.

The device consists of a stainless steel body with a 1000 µl syringe and a 1000 µl pipette tip. The syringe is made of stainless steel and is graduated in 100 µl increments. The pipette tip is made of polypropylene and is graduated in 10 µl increments. The device is used to extract solid samples from a sample container into a vial.

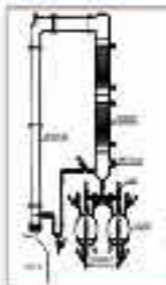
For more information, visit www.pvi.com or contact your local distributor.

For more information, visit www.pvi.com or contact your local distributor.

Part No.	Material	Volume	Capacity	Dimensions	Weight
SOLID-LIQUID-EXTRACT-UNIT	Stainless Steel	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
SOLID-LIQUID-EXTRACT-UNIT-1000	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
SOLID-LIQUID-EXTRACT-UNIT-1000-100	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g
SOLID-LIQUID-EXTRACT-UNIT-1000-100-10	Polypropylene	1000 µl	1000 µl	100 x 100 x 100 mm	100 g



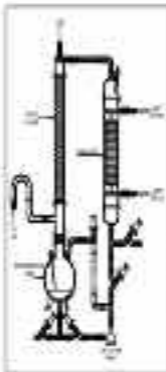
NEEDLES OVER CLASS 1000 FACTS



Needle for use in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor.

Model	Material	Length (mm)	Weight (g)
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100

CLASS 1000



Needle for use in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor.

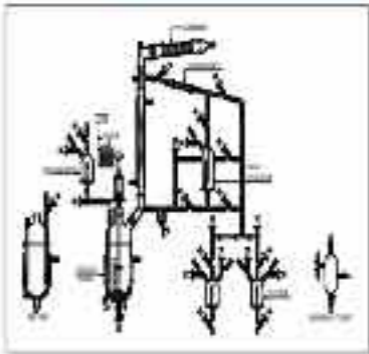
Needle for use in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor.

Needle for use in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor. The needle is made of stainless steel and is designed to be used in the Class 1000 reactor.

Model	Material	Length (mm)	Weight (g)
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100
1000	Stainless Steel	1000	100

STANDARD UNITS

MULTIPHASE UNIT



1. Standardized components for process design
2. Standardized components for process design
3. Standardized components for process design
4. Standardized components for process design
5. Standardized components for process design
6. Standardized components for process design
7. Standardized components for process design
8. Standardized components for process design
9. Standardized components for process design
10. Standardized components for process design

Table 1.1

1. Standardized components for process design
2. Standardized components for process design
3. Standardized components for process design
4. Standardized components for process design
5. Standardized components for process design
6. Standardized components for process design
7. Standardized components for process design
8. Standardized components for process design
9. Standardized components for process design
10. Standardized components for process design

Unit	Standard	Component	Material	Weight	Volume	Pressure	Temperature	Flow
100	100	100	100	100	100	100	100	100
200	200	200	200	200	200	200	200	200
300	300	300	300	300	300	300	300	300
400	400	400	400	400	400	400	400	400
500	500	500	500	500	500	500	500	500
600	600	600	600	600	600	600	600	600
700	700	700	700	700	700	700	700	700
800	800	800	800	800	800	800	800	800
900	900	900	900	900	900	900	900	900
1000	1000	1000	1000	1000	1000	1000	1000	1000





STANDARD UNITS

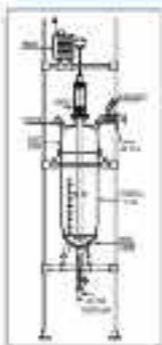
MOBILE MOUNTED SYSTEM

Lighting Mast System

Lighting mast system is designed to provide standard lighting solution for mobile and stationary applications. It is available in various configurations and heights.

Standard mast heights are available in 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m, 11m, 12m, 13m, 14m, 15m, 16m, 17m, 18m, 19m, 20m, 21m, 22m, 23m, 24m, 25m, 26m, 27m, 28m, 29m, 30m, 31m, 32m, 33m, 34m, 35m, 36m, 37m, 38m, 39m, 40m, 41m, 42m, 43m, 44m, 45m, 46m, 47m, 48m, 49m, 50m, 51m, 52m, 53m, 54m, 55m, 56m, 57m, 58m, 59m, 60m, 61m, 62m, 63m, 64m, 65m, 66m, 67m, 68m, 69m, 70m, 71m, 72m, 73m, 74m, 75m, 76m, 77m, 78m, 79m, 80m, 81m, 82m, 83m, 84m, 85m, 86m, 87m, 88m, 89m, 90m, 91m, 92m, 93m, 94m, 95m, 96m, 97m, 98m, 99m, 100m.

Height (m)	Weight (kg)	Wind Load (kN)
3.0	1500	1.5
4.0	2000	2.0
5.0	2500	2.5
6.0	3000	3.0
7.0	3500	3.5
8.0	4000	4.0
9.0	4500	4.5
10.0	5000	5.0

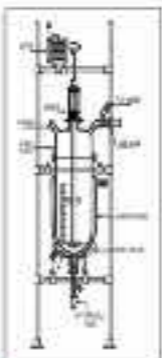


Lighting Mast System

Lighting mast system is designed to provide standard lighting solution for mobile and stationary applications. It is available in various configurations and heights.

1. Mast height: 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m, 11m, 12m, 13m, 14m, 15m, 16m, 17m, 18m, 19m, 20m, 21m, 22m, 23m, 24m, 25m, 26m, 27m, 28m, 29m, 30m, 31m, 32m, 33m, 34m, 35m, 36m, 37m, 38m, 39m, 40m, 41m, 42m, 43m, 44m, 45m, 46m, 47m, 48m, 49m, 50m, 51m, 52m, 53m, 54m, 55m, 56m, 57m, 58m, 59m, 60m, 61m, 62m, 63m, 64m, 65m, 66m, 67m, 68m, 69m, 70m, 71m, 72m, 73m, 74m, 75m, 76m, 77m, 78m, 79m, 80m, 81m, 82m, 83m, 84m, 85m, 86m, 87m, 88m, 89m, 90m, 91m, 92m, 93m, 94m, 95m, 96m, 97m, 98m, 99m, 100m.
2. Mast diameter: 100mm, 120mm, 140mm, 160mm, 180mm, 200mm, 220mm, 240mm, 260mm, 280mm, 300mm, 320mm, 340mm, 360mm, 380mm, 400mm, 420mm, 440mm, 460mm, 480mm, 500mm, 520mm, 540mm, 560mm, 580mm, 600mm, 620mm, 640mm, 660mm, 680mm, 700mm, 720mm, 740mm, 760mm, 780mm, 800mm, 820mm, 840mm, 860mm, 880mm, 900mm, 920mm, 940mm, 960mm, 980mm, 1000mm.
3. Mast material: Galvanized steel, Aluminum, Stainless steel.
4. Mast finish: Powder coated, Anodized, Polished.
5. Mast accessories: Mast cap, Mast base, Mast bracket, Mast clamp, Mast nut, Mast washer, Mast bolt, Mast screw, Mast pin, Mast rivet, Mast gasket, Mast seal, Mast O-ring, Mast hose, Mast cable, Mast pipe, Mast tube, Mast plate, Mast flange, Mast joint, Mast connector, Mast adapter, Mast reducer, Mast elbow, Mast tee, Mast cross, Mast end cap, Mast plug, Mast cap, Mast cover, Mast lid, Mast door, Mast window, Mast panel, Mast screen, Mast mesh, Mast fabric, Mast paper, Mast cardboard, Mast plastic, Mast wood, Mast metal, Mast composite, Mast other.
6. Mast applications: Street lighting, Industrial lighting, Sports lighting, Marine lighting, Aviation lighting, Security lighting, Emergency lighting, Signage lighting, Architectural lighting, Landscape lighting, Horticultural lighting, Medical lighting, Laboratory lighting, Cleanroom lighting, Food processing lighting, Pharmaceutical lighting, Biotechnology lighting, Aerospace lighting, Defense lighting, Government lighting, Military lighting, Police lighting, Fire department lighting, Emergency services lighting, Public works lighting, Utility lighting, Transportation lighting, Agriculture lighting, Forestry lighting, Mining lighting, Construction lighting, Event lighting, Entertainment lighting, Sports stadium lighting, Airport lighting, Seaport lighting, Airport lighting, Seaport lighting, Airport lighting, Seaport lighting.
7. Mast standards: EN 14001, EN 14002, EN 14003, EN 14004, EN 14005, EN 14006, EN 14007, EN 14008, EN 14009, EN 14010, EN 14011, EN 14012, EN 14013, EN 14014, EN 14015, EN 14016, EN 14017, EN 14018, EN 14019, EN 14020, EN 14021, EN 14022, EN 14023, EN 14024, EN 14025, EN 14026, EN 14027, EN 14028, EN 14029, EN 14030, EN 14031, EN 14032, EN 14033, EN 14034, EN 14035, EN 14036, EN 14037, EN 14038, EN 14039, EN 14040, EN 14041, EN 14042, EN 14043, EN 14044, EN 14045, EN 14046, EN 14047, EN 14048, EN 14049, EN 14050, EN 14051, EN 14052, EN 14053, EN 14054, EN 14055, EN 14056, EN 14057, EN 14058, EN 14059, EN 14060, EN 14061, EN 14062, EN 14063, EN 14064, EN 14065, EN 14066, EN 14067, EN 14068, EN 14069, EN 14070, EN 14071, EN 14072, EN 14073, EN 14074, EN 14075, EN 14076, EN 14077, EN 14078, EN 14079, EN 14080, EN 14081, EN 14082, EN 14083, EN 14084, EN 14085, EN 14086, EN 14087, EN 14088, EN 14089, EN 14090, EN 14091, EN 14092, EN 14093, EN 14094, EN 14095, EN 14096, EN 14097, EN 14098, EN 14099, EN 14100.
8. Mast certifications: CE, FCC, RoHS, REACH, ISO 9001, ISO 14001, ISO 45001, ISO 50001, ISO 26000, ISO 27001, ISO 28000, ISO 30000, ISO 31000, ISO 34000, ISO 35000, ISO 36000, ISO 37000, ISO 38000, ISO 39000, ISO 40000, ISO 41000, ISO 42000, ISO 43000, ISO 44000, ISO 45000, ISO 46000, ISO 47000, ISO 48000, ISO 49000, ISO 50000, ISO 51000, ISO 52000, ISO 53000, ISO 54000, ISO 55000, ISO 56000, ISO 57000, ISO 58000, ISO 59000, ISO 60000, ISO 61000, ISO 62000, ISO 63000, ISO 64000, ISO 65000, ISO 66000, ISO 67000, ISO 68000, ISO 69000, ISO 70000, ISO 71000, ISO 72000, ISO 73000, ISO 74000, ISO 75000, ISO 76000, ISO 77000, ISO 78000, ISO 79000, ISO 80000, ISO 81000, ISO 82000, ISO 83000, ISO 84000, ISO 85000, ISO 86000, ISO 87000, ISO 88000, ISO 89000, ISO 90000, ISO 91000, ISO 92000, ISO 93000, ISO 94000, ISO 95000, ISO 96000, ISO 97000, ISO 98000, ISO 99000, ISO 100000.

Height (m)	Weight (kg)	Wind Load (kN)
3.0	1500	1.5
4.0	2000	2.0
5.0	2500	2.5
6.0	3000	3.0
7.0	3500	3.5
8.0	4000	4.0



STANDARD UNITS

888-TM 3 (067) (B)

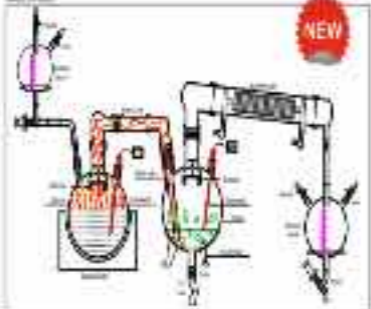
Il presente catalogo rappresenta gli articoli commercializzati dall'ingegnere ginevrino G. VIGORELLI, che opera nella intermediazione di vendita, in base ad un contratto di agenzia, con la ditta G. VIGORELLI S.p.A. (BREVETI).

Il presente catalogo rappresenta inoltre la lista dei prodotti di cui si è incaricato l'ingegnere ginevrino G. VIGORELLI, che opera nella intermediazione di vendita, in base ad un contratto di agenzia, con la ditta G. VIGORELLI S.p.A. (BREVETI).

Caratteristiche

Il presente catalogo rappresenta gli articoli commercializzati dall'ingegnere ginevrino G. VIGORELLI, che opera nella intermediazione di vendita, in base ad un contratto di agenzia, con la ditta G. VIGORELLI S.p.A. (BREVETI).

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Art. (mm)	Alte. (mm)	Spaz. (mm)	Spaz. (mm)	Spaz. (mm)	Spaz. (mm)
888-TM 3	100	100	100	100	100
888-TM 4	120	120	120	120	120
888-TM 5	140	140	140	140	140
888-TM 6	160	160	160	160	160
888-TM 7	180	180	180	180	180

Caratteristiche

Il presente catalogo rappresenta gli articoli commercializzati dall'ingegnere ginevrino G. VIGORELLI, che opera nella intermediazione di vendita, in base ad un contratto di agenzia, con la ditta G. VIGORELLI S.p.A. (BREVETI).



Art. (mm)	Alte. (mm)	Spaz. (mm)	Spaz. (mm)	Spaz. (mm)	Spaz. (mm)
888-TM 3	100	100	100	100	100
888-TM 4	120	120	120	120	120
888-TM 5	140	140	140	140	140
888-TM 6	160	160	160	160	160
888-TM 7	180	180	180	180	180

ADMITTED-GLOSS NUTSCH-FILTERN PIPE-REINIGER



Spülen Sie zuerst die Vorwände des Nutsch-Filters mit dem zu reinigenden Material, bevor Sie den Nutsch-Filter in den Filterhalter einsetzen. Die Vorwände des Nutsch-Filters sind aus einem hochfesten Kunststoff gefertigt und sind für den Einsatz in einem Labor geeignet. Die Vorwände des Nutsch-Filters sind aus einem hochfesten Kunststoff gefertigt und sind für den Einsatz in einem Labor geeignet.

EMV-AG-GERÄTE

EMV-AG-Geräte sind für den Einsatz in einem Labor geeignet. Die Vorwände des Nutsch-Filters sind aus einem hochfesten Kunststoff gefertigt und sind für den Einsatz in einem Labor geeignet. Die Vorwände des Nutsch-Filters sind aus einem hochfesten Kunststoff gefertigt und sind für den Einsatz in einem Labor geeignet.

Spezielle Anforderungen für die EMV-AG-Geräte

- 1. EMV-AG-Geräte
- 2. EMV-AG-Geräte
- 3. EMV-AG-Geräte
- 4. EMV-AG-Geräte
- 5. EMV-AG-Geräte

EMV-AG-Geräte für die EMV-AG-Geräte

- 1. EMV-AG-Geräte
- 2. EMV-AG-Geräte
- 3. EMV-AG-Geräte
- 4. EMV-AG-Geräte
- 5. EMV-AG-Geräte
- 6. EMV-AG-Geräte
- 7. EMV-AG-Geräte
- 8. EMV-AG-Geräte
- 9. EMV-AG-Geräte
- 10. EMV-AG-Geräte

EMV-AG-Geräte sind für den Einsatz in einem Labor geeignet. Die Vorwände des Nutsch-Filters sind aus einem hochfesten Kunststoff gefertigt und sind für den Einsatz in einem Labor geeignet.



EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte
EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte
EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte
EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte
EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte
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EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte	EMV-AG-Geräte

STANDARD UNITS

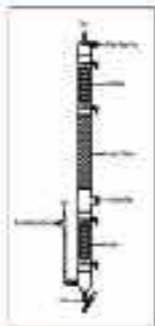
#12 VESPAVC DESCRIPTION



Standard unit for applications of medium and low capacity (2000-30000 BTU) with capacity up to 10000 BTU. The standard unit is available in two configurations: standard and high capacity. The standard unit is available in two configurations: standard and high capacity.

The standard unit is available in two configurations: standard and high capacity.

Model	Capacity (BTU)	Capacity (kW)	Capacity (HP)
1200	2000	0.58	0.78
1205	2500	0.73	1.0
1210	3000	0.88	1.2
1215	3500	1.03	1.4



IN BRASS BEZEL

The unit is available in two configurations: standard and high capacity. The standard unit is available in two configurations: standard and high capacity.

Standard Unit (Standard Configuration)

- Standard unit
- Standard unit
- Standard unit
- Standard unit

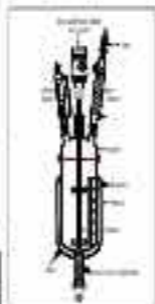
High Capacity

- High capacity unit
- High capacity unit
- High capacity unit
- High capacity unit
- High capacity unit
- High capacity unit
- High capacity unit
- High capacity unit

Notes

The standard unit is available in two configurations: standard and high capacity.

Model	Capacity (BTU)	Capacity (kW)	Capacity (HP)
1200	2000	0.58	0.78
1205	2500	0.73	1.0
1210	3000	0.88	1.2
1215	3500	1.03	1.4



TECHNICAL PACKAGES

NON-HALOGENATED

GENERAL

The equipment is used to produce liquid or solid polyurethane foams. It is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³. The equipment is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³.

The equipment is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³.

GENERAL

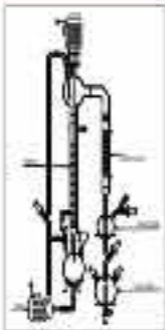
The equipment is used to produce liquid or solid polyurethane foams. It is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³.

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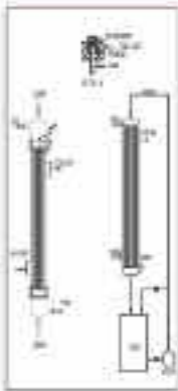
The equipment is used to produce liquid or solid polyurethane foams. It is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³.

The equipment is used to produce liquid or solid polyurethane foams. It is suitable for the production of foams with a density of 0.020 to 0.050 g/cm³.



Model	Capacity (kg/h)	Power (kW)
1000	1000	100
1500	1500	150
2000	2000	200
3000	3000	300
4000	4000	400





Technical description

Dimensions (mm)

The device is a self-contained, portable, and easy to use, as it is a self-contained unit. It is designed to be used in a variety of environments, including indoor and outdoor. The device is designed to be used in a variety of environments, including indoor and outdoor. The device is designed to be used in a variety of environments, including indoor and outdoor. The device is designed to be used in a variety of environments, including indoor and outdoor.

Technical data

1. It is a self-contained unit.
2. It is designed to be used in a variety of environments, including indoor and outdoor.
3. It is designed to be used in a variety of environments, including indoor and outdoor.
4. It is designed to be used in a variety of environments, including indoor and outdoor.
5. It is designed to be used in a variety of environments, including indoor and outdoor.
6. It is designed to be used in a variety of environments, including indoor and outdoor.
7. It is designed to be used in a variety of environments, including indoor and outdoor.
8. It is designed to be used in a variety of environments, including indoor and outdoor.
9. It is designed to be used in a variety of environments, including indoor and outdoor.
10. It is designed to be used in a variety of environments, including indoor and outdoor.
11. It is designed to be used in a variety of environments, including indoor and outdoor.
12. It is designed to be used in a variety of environments, including indoor and outdoor.
13. It is designed to be used in a variety of environments, including indoor and outdoor.
14. It is designed to be used in a variety of environments, including indoor and outdoor.
15. It is designed to be used in a variety of environments, including indoor and outdoor.

Notes

1. The device is designed to be used in a variety of environments, including indoor and outdoor.
2. The device is designed to be used in a variety of environments, including indoor and outdoor.

Technical data

Model	Length (mm)	Diameter (mm)	Weight (kg)	Power (W)	Capacity (mAh)	Price (€)
A6500 B11	1000	100	0.5	5	1000	100
A6500 B12	1000	100	0.5	5	1000	100
A6500 B13	1000	100	0.5	5	1000	100
A6500 B14	1000	100	0.5	5	1000	100
A6500 B15	1000	100	0.5	5	1000	100
A6500 B16	1000	100	0.5	5	1000	100
A6500 B17	1000	100	0.5	5	1000	100
A6500 B18	1000	100	0.5	5	1000	100
A6500 B19	1000	100	0.5	5	1000	100
A6500 B20	1000	100	0.5	5	1000	100

TECHNICAL PACKAGES

MUPHUBIC ROD CONCENTRATION SYSTEM

General technical information is available on page 104 of the technical manual.

Complete technical specifications are available on page 105 of the technical manual.

It features two 1000 WPH, 200 bar pumps operating from a 400V three-phase supply to 200 bar. A special ground connection is provided to protect a water tank at a distance of 100m or more for remote operation.

REQUIREMENTS

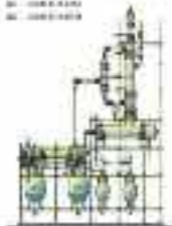
The system is a self-contained unit that can be used in a number of applications. It is designed to be used in conjunction with a water tank at a distance of 100m or more. It is not to be used in conjunction with a water tank at a distance of less than 100m.

APPLICATIONS

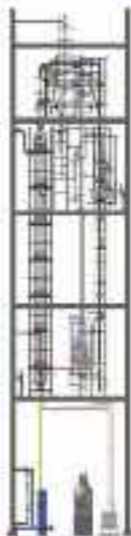
It is used in conjunction with a water tank at a distance of 100m or more. It is not to be used in conjunction with a water tank at a distance of less than 100m.

Maximum flow rate	1000 l/h
Maximum pressure	200 bar
Power	2000 W

- 1. 1000 WPH
- 2. 1000 WPH
- 3. 1000 WPH
- 4. 1000 WPH
- 5. 1000 WPH
- 6. 1000 WPH
- 7. 1000 WPH
- 8. 1000 WPH
- 9. 1000 WPH
- 10. 1000 WPH



BROWSE FLOOR SYSTEM



... ..

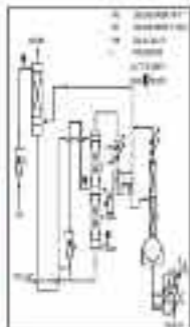
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TECHNICAL PACKAGES

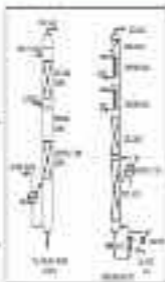
AMT00221 FCL GAS CONDENSER

AmT00221 is a fully automatic condenser designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications. The condenser is made of high quality materials and is designed to last for many years.

FIELD

AmT00221 is a fully automatic condenser designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications.

AmT00221 is a fully automatic condenser designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications.



Part	Technical Data	Notes
Condenser	<ul style="list-style-type: none"> Capacity: 1.5 kW Power: 1.5 kW Voltage: 230V Frequency: 50 Hz Dimensions: 150x150x150 mm Weight: 1.5 kg 	<ul style="list-style-type: none"> Condenser is a fully automatic condenser designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications.
Fan	<ul style="list-style-type: none"> Capacity: 1.5 kW Power: 1.5 kW Voltage: 230V Frequency: 50 Hz Dimensions: 150x150x150 mm Weight: 1.5 kg 	<ul style="list-style-type: none"> Fan is a fully automatic fan designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications.
Control	<ul style="list-style-type: none"> Capacity: 1.5 kW Power: 1.5 kW Voltage: 230V Frequency: 50 Hz Dimensions: 150x150x150 mm Weight: 1.5 kg 	<ul style="list-style-type: none"> Control is a fully automatic control unit designed for use in air conditioning systems. It is a compact, efficient unit that can be used in a wide range of applications.



TECHNICAL PACKAGES

NEPZHOSHO AM GENIVOM CMAO UM DUCH BI BOJTE

Nejznamenje

Nejznamenje je namenjeno za merjenje razdalje od
merilnega mesta do mesta, ki je oddaljeno
od merilnega mesta za največ 100 m. Merilnik
je namenjen za merjenje razdalje od mesta
merjenja do mesta, ki je oddaljeno od mesta
merjenja za največ 100 m.

Nejznamenje

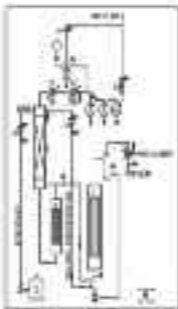
Nejznamenje je namenjeno za merjenje razdalje od
merilnega mesta do mesta, ki je oddaljeno od
merilnega mesta za največ 100 m. Merilnik
je namenjen za merjenje razdalje od mesta
merjenja do mesta, ki je oddaljeno od mesta
merjenja za največ 100 m.

Nejznamenje

Nejznamenje

- 1. Najznamenje
- 2. Najznamenje
- 3. Najznamenje
- 4. Najznamenje

Šifra	Ime	Enota
1	Najznamenje	m
2	Najznamenje	m
3	Najznamenje	m
4	Najznamenje	m

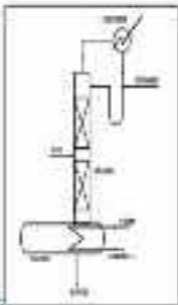


CONTINUOUS DISTILLATION SYSTEM

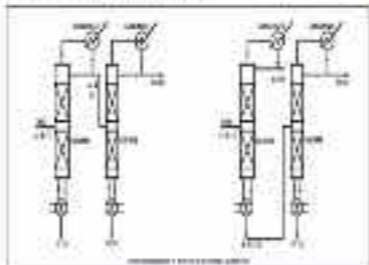
This system is designed for continuous distillation
of liquids and gases. It consists of a series of
distillation columns and a condenser. The system
is designed for continuous distillation of liquids
and gases.

This system is designed for continuous distillation
of liquids and gases. It consists of a series of
distillation columns and a condenser. The system
is designed for continuous distillation of liquids
and gases.

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of liquids and gases. It consists of a series of
distillation columns and a condenser. The system
is designed for continuous distillation of liquids
and gases.



TECHNICAL PACKAGES



DOĞRULT KİLOVOLT

Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır. Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır.

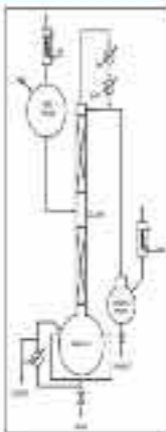
Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır. Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır.

Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır. Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır.

Özellikler

1. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
2. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
3. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
4. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
5. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
6. Yüksek gerilimden düşük gerilime düşürme kapasitesi.
7. Yüksek gerilimden düşük gerilime düşürme kapasitesi.

Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır. Doğrult kilovolt, bir elektrik enerjisi kaynağından elde edilen gerilimi düşürmek için kullanılan bir cihazdır. Bu cihaz, yüksek gerilimden düşük gerilime düşürmek için kullanılır.



TECHNICAL PACKAGES

HEXTAS 2-AC EXTRACTION COLUMN

Features

HexTAS 2-AC extraction column is a precision made in stainless steel, completely inert to all solvents used in the field. It features a stainless steel support frame to hold the column in place. The column is designed to fit into the standard 2-AC extraction column frame & is mounted on a stainless steel base. It can be used for the following applications:

Extraction of organic compounds from solid samples. The column is designed to fit into the standard 2-AC extraction column frame & is mounted on a stainless steel base.

Benefits

HexTAS 2-AC extraction column is made of stainless steel. It is completely inert to all solvents used in the field.

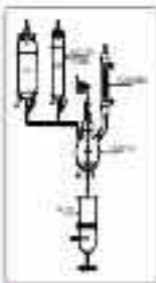
The column is designed to fit into the standard 2-AC extraction column frame & is mounted on a stainless steel base. It can be used for the following applications:

Extraction of organic compounds from solid samples. The column is designed to fit into the standard 2-AC extraction column frame & is mounted on a stainless steel base.



Model	Capacity	Material
HexTAS 2-AC	100 ml	Stainless Steel
HexTAS 2-AC	200 ml	Stainless Steel
HexTAS 2-AC	500 ml	Stainless Steel
HexTAS 2-AC	1000 ml	Stainless Steel

HEXTAS 2-AC EXTRACTION COLUMN



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TECHNICAL PACKAGES

NTBC #30 P287 CN709 INTM

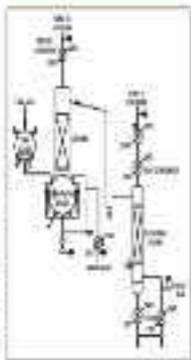


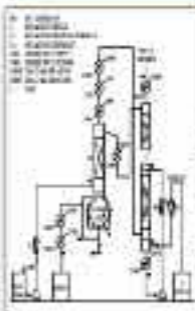
We have used high-quality materials and the latest technology to create a new and improved lighting system. The system is designed to provide a long life span and is easy to install. The system is also designed to be energy efficient and is suitable for use in a wide range of applications. The system is also designed to be easy to maintain and is suitable for use in a wide range of applications. The system is also designed to be easy to install and is suitable for use in a wide range of applications.

Technical Specifications

Parameter	Value	Unit
Power Rating	100	W
Operating Voltage	240	V
Operating Current	0.42	A
Operating Temperature	-20 to 50	°C
Operating Humidity	10 to 90	%

Applications





The NO. FIBREZON SYSTEM is a new type of fibre optic system for the transmission of data and voice signals. It is a fully integrated system that provides a high level of security and reliability. The system is designed to be used in a variety of applications, including data processing, communications, and control systems.

The NO. FIBREZON SYSTEM is a new type of fibre optic system for the transmission of data and voice signals. It is a fully integrated system that provides a high level of security and reliability.

The NO. FIBREZON SYSTEM is a new type of fibre optic system for the transmission of data and voice signals. It is a fully integrated system that provides a high level of security and reliability.

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
01	01.01.01	1	PC	1000	1000
02	01.01.02	1	PC	1000	1000
03	01.01.03	1	PC	1000	1000
04	01.01.04	1	PC	1000	1000
05	01.01.05	1	PC	1000	1000
06	01.01.06	1	PC	1000	1000
07	01.01.07	1	PC	1000	1000
08	01.01.08	1	PC	1000	1000
09	01.01.09	1	PC	1000	1000
10	01.01.10	1	PC	1000	1000





ROTARY FILM EVAPORATOR

1 TO 100 LITERS

MAIN FEATURES

- 1. Compact design
- 2. The entire unit is self-contained
- 3. Operates at low pressure
- 4. Simple to use
- 5. Excellent safety performance
- 6. Inexpensive
- 7. Available in many materials
- 8. Suitable for many applications
- 9. Additional options

OPERATION

1. The unit is designed to operate at low pressure (1-10 mmHg).

2. The unit is designed to operate at low pressure (1-10 mmHg).

3. The unit is designed to operate at low pressure (1-10 mmHg).

4. The unit is designed to operate at low pressure (1-10 mmHg).

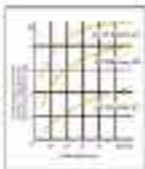
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8. The unit is designed to operate at low pressure (1-10 mmHg).

9. The unit is designed to operate at low pressure (1-10 mmHg).



THE BENEFITS

1. The unit is designed to operate at low pressure (1-10 mmHg).

2. The unit is designed to operate at low pressure (1-10 mmHg).

3. The unit is designed to operate at low pressure (1-10 mmHg).

Rotary Evaporator with Double-Stage

System

Model	Capacity (L/hr)	Capacity (L/day)	Pressure (mmHg)	Temperature (°C)	Material	Weight (kg)	Price (USD)
RE-10	10	240	1-10	0-100	Stainless Steel	10	1000
RE-20	20	480	1-10	0-100	Stainless Steel	20	2000
RE-50	50	1200	1-10	0-100	Stainless Steel	50	5000
RE-100	100	2400	1-10	0-100	Stainless Steel	100	10000

(*) The price is subject to change without notice. The price is subject to change without notice.



ROTARY FILM EVAPORATOR

1 TO 100 LITERS



Q1 Model (AC220V/50Hz)

Q1 is a compact film evaporator with 10 liter per hour capacity. It is suitable for small scale production. The unit is made of stainless steel and is easy to clean. The unit is equipped with a pressure gauge and a flowmeter. The unit is also equipped with a safety valve. The unit is also equipped with a pressure relief valve.

Capacity

- 1. 10 liter per hour (100% efficiency)
- 2. 10 liter per hour (80% efficiency)
- 3. 10 liter per hour (60% efficiency)
- 4. 10 liter per hour (40% efficiency)

Features

Q1 is a compact film evaporator with 10 liter per hour capacity. It is suitable for small scale production. The unit is made of stainless steel and is easy to clean. The unit is equipped with a pressure gauge and a flowmeter. The unit is also equipped with a safety valve. The unit is also equipped with a pressure relief valve.

Model	Capacity (L/hr)	Power (kW)	Pressure (bar)	Temperature (°C)	Flow (L/min)	Weight (kg)	Dimensions (mm)
Q1	10	1.5	1.0	100	10	10	1000x1000x1000
Q2	20	3.0	2.0	100	20	20	1500x1500x1500
Q3	30	4.5	3.0	100	30	30	2000x2000x2000
Q4	40	6.0	4.0	100	40	40	2500x2500x2500

Why Equipment for Small Scale Production?

PRODUCTION OF 10 LITER PER HOUR

PRODUCTION OF 10 LITER PER HOUR

Model	Capacity (L/hr)	Power (kW)	Temperature (°C)		Flow (L/min)	Weight (kg)	Dimensions (mm)
			Max	Min			
Q1	10	1.5	100	10	10	10	1000x1000x1000
Q2	20	3.0	100	20	20	20	1500x1500x1500
Q3	30	4.5	100	30	30	30	2000x2000x2000
Q4	40	6.0	100	40	40	40	2500x2500x2500



ROTARY FILM EVAPORATOR JUMBO RANGE

200 TO 800 LITERS



THE ROTARY FILM EVAPORATOR
IS THE MOST EFFICIENT AND
EFFECTIVE METHOD OF
CONCENTRATING LIQUIDS

CUSTOM GLASSWARE



Our custom glassware is designed to meet your specific needs. We offer a wide range of custom glassware, including laboratory glassware, pharmaceutical glassware, and more. Our custom glassware is made from high-quality glass and is designed to meet your specific needs. We offer a wide range of custom glassware, including laboratory glassware, pharmaceutical glassware, and more.

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OUR ESTEEMED CLIENTS





CONSTRUCTION PROJECT GROUP

CERTIFICATE OF REGISTRATION

FOR THE YEAR 2014

Swire Pacific Club World Limited

11 Cantonment Road
Singapore 099449

The Construction Project Group (CPG) is pleased to announce that Swire Pacific Club World Limited has been registered as a member of the group for the year 2014.

This registration is subject to the terms and conditions of the group's membership agreement.



4A



Registration No.	12345678
Registration Date	15/01/2014
Registration Fee	S\$1000
Registration Validity	12 months

For more information, please contact the Construction Project Group at 11 Cantonment Road, Singapore 099449. Tel: +65 6339 1111. Email: info@cpg.com.sg



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The Construction Project Group (CPG) is a leading provider of construction project management services.



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