



# Couplings

Low Pressure

SP-75L, SP-75N

Medium Pressure

SP-76M

High Pressure

SP-77C, SP-77A, SP-77UP

Ductile Iron

SP-705, SP-707, SP-709



# Flexible Coupling

Stainless Steel Low Pressure

## Model SP-75L

The Model SP-75L is designed for low pressure MF/UF/RO systems. It is made of CF8 (304) or CF8M (316) with 304 or 316 bolts and nuts.

Available in sizes ¾" to 12" (DN20 to DN300) rated to a maximum working pressure of 350 psi (25 bar).

### Material Specification

#### Housings

- Type 304 Stainless steel to ASTM A351 CF8 or A743 Gr. CF8
- Type 316 to ASTM A743 CF8M
- Type 316L to ASTM A743 CF3M
- CE8MN to ASTM A890 Grade 2A
- Austenic 904L(CN2MCuN) to A351
- Duplex 2205 (CD3MN) to ASTM A890 Grade 4A
- Super duplex 2507(CE3MN) to ASTM A890 Grade 5A
- Austenic 254SMO(CK3MCuN) to A743

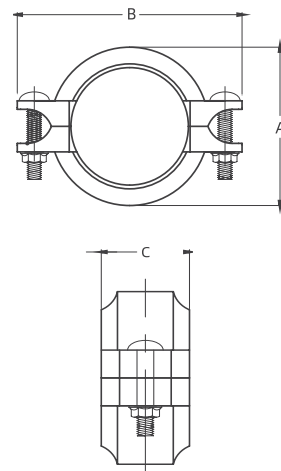
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Type 304 stainless steel track bolts and nuts to ASTM F-593
- Type 316 stainless steel track bolts and nuts to ASTM F-593
- Type 316 stainless steel track bolts ASTM A193 B-8M with silicone bronze heavy duty nuts to ASTM B98 C65100

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
0.75	1.059	24.13	0-0.06	1.85	3.268	1.654	0.59
20	26.9	350	0-1.6	47	83	42	0.27
0	1.26	24.13	0-0.06	2.126	3.504	1.654	0.37
25	32	350	0-1.6	54	89	42	0.31
1	1.327	24.13	0-0.06	2.126	3.504	1.654	0.97
25	33.7	350	0-1.6	54	89	42	0.31
0	1.496	24.13	0-0.06	2.283	3.74	1.654	0.77
32	38	350	0-1.6	58	95	42	0.35
1.25	1.669	24.13	0-0.06	2.48	3.937	1.693	0.8
32	42.4	350	0-1.6	63	100	43	0.37
1.5	1.9	24.13	0-0.06	2.717	4.134	1.732	0.93
40	48.3	350	0-1.6	69	105	44	0.42
0	2.244	24.13	0-0.06	2.992	4.567	1.732	1.02
50	57	350	0-1.6	76	116	44	0.46
2	2.375	24.13	0-0.06	3.11	4.606	1.732	1.03
50	60.3	350	0-1.6	79	117	44	0.47
2.5	2.875	24.13	0-0.06	3.701	5.236	1.732	1.21
65	73	350	0-1.6	94	133	44	0.55
0	3	24.13	0-0.06	3.898	5.394	1.732	1.29
65	76.1	350	0-1.6	99	137	44	0.59
3	3.5	24.13	0-0.06	4.37	5.945	1.732	1.61
80	88.9	350	0-1.6	111	151	44	0.73
0	4.25	24.13	0-0.13	5.157	7.087	1.89	2.5
100	108	350	0-3.2	131	180	48	1.14
4	4.5	24.13	0-0.13	5.551	7.441	1.89	2.63
100	114.3	350	0-3.2	141	189	48	1.2
0	5.25	24.13	0-0.13	6.22	8.11	1.929	2.94
125	133	350	0-3.2	158	206	49	1.33
5	5.5	24.13	0-0.13	6.535	8.465	1.929	3.34
125	139.7	350	0-3.2	166	215	49	1.52
5	5.563	24.13	0-0.13	6.535	8.465	1.929	6.38
125	141.3	350	0-3.2	166	215	49	2.9
0	6.259	24.13	0-0.13	7.441	9.409	1.969	4.02
150	159	350	0-3.2	189	239	50	1.83
6	6.625	24.13	0-0.13	7.756	9.685	1.969	4.14
150	168.3	350	0-3.2	197	246	50	1.88
8	8.625	24.13	0-0.13	0.305	0.381	0.078	7.87
200	219.1	350	0-3.2	255	315	60	3.58
10	10.748	24.13	0-0.13	12.48	15.19	2.362	10.57
250	273	350	0-3.2	317	386	60	4.8
12	12.752	24.13	0-0.13	16.063	17.362	2.559	14.73
300	323.9	350	0-3.2	408	441	65	6.68



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# Flexible Coupling

Plastic Low Pressure

## Model SP-75N

The Model SP-75N is designed to avoid corrosion problems in low pressure piping systems. The couplings are manufactured in high quality reinforced nylon injection molded at a high temperature, giving the couplings high strength, toughness, and very good corrosion resistance. They have been widely used in ultrafiltration (UF) pretreatment for seawater dealination.

Available in sizes 1" to 8" (DN25 to DN200) rated to a maximum working pressure of 300 psi (21 bar)

### Material Specifications

#### Housings

- Nylon

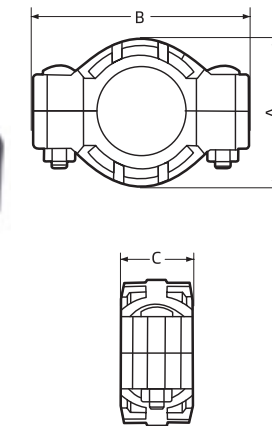
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

Stainless steel track bolts and nuts, international standard models of carriage bolts.

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
0.75	1.059	41.34	0-0.06	1.89	3.189	1.654	0.65
20	26.9	600	0-1.6	48	81	42	0.3
-	1.26	41.34	0-0.06	2.165	3.504	1.654	0.68
25	32	600	0-1.6	55	89	42	0.31
1	1.327	41.34	0-0.06	2.165	3.504	1.654	0.75
25	33.7	600	0-1.6	55	89	42	0.34
-	1.496	41.34	0-0.06	2.323	3.819	1.693	0.7
32	38	600	0-1.6	59	97	43	0.32
1.25	1.669	41.34	0-0.06	2.52	3.898	1.693	0.97
32	42.4	600	0-1.6	64	99	43	0.44
1.5	1.9	41.34	0-0.06	2.795	4.291	1.732	1.26
40	48.3	600	0-1.6	71	109	44	0.57
-	2.244	41.34	0-0.06	3.15	4.764	1.732	1.36
50	57	600	0-1.6	80	121	44	0.62
2	2.375	41.34	0-0.06	3.268	4.764	1.732	1.42
50	60.3	600	0-1.6	83	121	44	0.65
2.5	2.875	41.34	0-0.06	3.74	5.118	1.772	1.76
65	73	600	0-1.6	95	130	45	0.8
-	3	41.34	0-0.06	3.937	5.315	1.772	1.84
65	76.1	600	0-1.6	100	135	45	0.84
3	3.5	41.34	0-0.06	4.409	6.102	1.772	2.3
80	88.9	600	0-1.6	112	155	45	1.05
-	4.25	41.34	0-0.13	5.315	7.323	1.89	3.2
100	108	600	0-3.2	135	186	48	1.46
4	4.5	41.34	0-0.13	5.709	7.283	1.89	3.43
100	114.3	600	0-3.2	145	185	48	1.56
-	5.25	41.34	0-0.13	6.339	7.913	2.047	3.66
125	133	600	0-3.2	161	201	52	1.67
5	5.5	41.34	0-0.13	6.693	8.543	2.047	3.34
125	139.7	600	0-3.2	170	217	52	1.52
5	5.563	41.34	0-0.13	6.693	8.661	2.047	4.03
125	141.3	600	0-3.2	170	220	52	1.83
0	6.259	41.34	0-0.13	7.598	9.606	2.047	4.75
150	159	600	0-3.2	193	244	52	2.16
6	6.625	41.34	0-0.13	7.953	10.512	2.047	5.57
150	168.3	600	0-3.2	202	267	52	2.53
8	8.625	31.01	0-0.13	10.394	12.559	2.362	10.09
200	219.1	450	0-3.2	264	319	60	4.59



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# Flexible Coupling

Stainless Steel Medium Pressure

## Model SP-76M

The Model SP-76M is designed for medium pressure reverse osmosis systems and piping. The Model 76M is supplied standard in CF8 (304) and CF8M (316) with 304 or 316 bolts and nuts.

Available in sizes 3/4" to 8" (DN20 to DN200) rated to a maximum working pressure of 600 psi (42 bar).

### Material Specifications

#### Housings

- Type 304 stainless steel to ASTM A351 CF8 or A743 Gr. CF8
- Type 316 to ASTM A743 CF8M
- Type 316L to ASTM A743 CF3M
- CE8MN to ASTM A 890 Grade 2A
- Austenitic 904L(CN2MCuN) to A351
- Duplex 2205(CD3MN) to ASTM A890 Grade 4A
- Super duplex 2507(CE3MN) to ASTM A890 Grade 5A
- Austenitic 254SMO(CK3MCuN) to A743

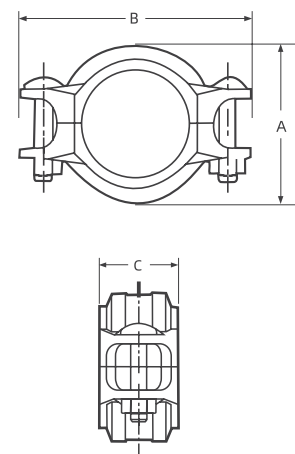
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Type 304 stainless steel track bolts and nuts to ASTM F-593
- Type 316 stainless track bolts and nuts to ASTM F593
- Type 316 stainless track bolts to ASTM A193 B-8M, silicone bronze heavy duty nuts to ASTM B98 C65100

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
in. mm	in. mm	psi bar	in. mm	in. mm	in. mm	lbs kg	
0.75	1.059	41.34	0-0.06	1.89	3.189	1.654	0.65
20	26.9	600	0-1.6	48	81	42	0.3
-	1.26	41.34	0-0.06	2.165	3.504	1.654	0.68
25	32	600	0-1.6	55	89	42	0.31
1	1.327	41.34	0-0.06	2.165	3.504	1.654	0.75
25	33.7	600	0-1.6	55	89	42	0.34
-	1.496	41.34	0-0.06	2.323	3.819	1.693	0.7
32	38	600	0-1.6	59	97	43	0.32
1.25	1.669	41.34	0-0.06	2.52	3.898	1.693	0.97
32	42.4	600	0-1.6	64	99	43	0.44
1.5	1.9	41.34	0-0.06	2.795	4.291	1.732	1.26
40	48.3	600	0-1.6	71	109	44	0.57
-	2.244	41.34	0-0.06	3.15	4.764	1.732	1.36
50	57	600	0-1.6	80	121	44	0.62
2	2.375	41.34	0-0.06	3.268	4.764	1.732	1.42
50	60.3	600	0-1.6	83	121	44	0.65
2.5	2.875	41.34	0-0.06	3.74	5.118	1.772	1.76
65	73	600	0-1.6	95	130	45	0.8
-	3	41.34	0-0.06	3.937	5.315	1.772	1.84
65	76.1	600	0-1.6	100	135	45	0.84
3	3.5	41.34	0-0.06	4.409	6.102	1.772	2.3
80	88.9	600	0-1.6	112	155	45	1.05
-	4.25	41.34	0-0.13	5.315	7.323	1.89	3.2
100	108	600	0-3.2	135	186	48	1.46
4	4.5	41.34	0-0.13	5.709	7.283	1.89	3.43
100	114.3	600	0-3.2	145	185	48	1.56
-	5.25	41.34	0-0.13	6.339	7.913	2.047	3.66
125	133	600	0-3.2	161	201	52	1.67
5	5.5	41.34	0-0.13	6.693	8.543	2.047	3.34
125	139.7	600	0-3.2	170	217	52	1.52
5	5.563	41.34	0-0.13	6.693	8.661	2.047	4.03
125	141.3	600	0-3.2	170	220	52	1.83
-	6.259	41.34	0-0.13	7.598	9.606	2.047	4.75
150	159	600	0-3.2	193	244	52	2.16
6	6.625	41.34	0-0.13	7.953	10.512	2.047	5.57
150	168.3	600	0-3.2	202	267	52	2.53
8	8.625	31.01	0-0.13	10.394	12.559	2.362	10.09
200	219.1	450	0-3.2	264	319	60	4.59



# Flexible Coupling

Stainless Steel Heavy Duty

## Model SP-77C

The Model SP-77C is designed for high pressure applications including RO and desalination systems. The SP-77C is available in strong and anti-corrosive alloys of 304,316,316L Stainless steel, Duplex CD3MN (2205), Super Duplex CE8MN, CE3MN (2507). The 77C features 304 or 316 bolts and silicone bronze heavy nuts to help prevent galling during repetitive use.

Available in sizes 3/4" to 12" (DN20 to DN300) rated to a maximum working pressure of 1200 psi (83bar).

### Material Specification

#### Housings

- Super duplex 2507(CE3MN) to ASTM A890 Grade5A
- CE8MN to ASTM A890 Grade 2A
- Duplex 2205(CD3MN) to ASTM A890 Grade4A
- Austenitic 254SMO(CK3MCuN) to A743
- Austenitic 904L(CN2MCuN) to A351
- Type 316 to ASTM A743 CF8M
- Type 316L to ASTM A743 CF3M

#### Rubber Gaskets

See page 13 for all available options.

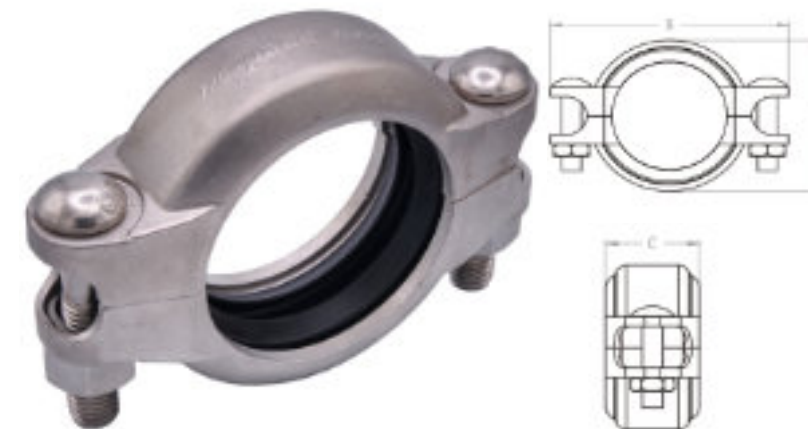
#### Nuts

- Type 316 stainless steel nuts ASTM A-193 B-8M
- Silicone bronze heavy duty nuts to ASTM B98 C65100

#### Bolts

- Type 316 stainless steel track bolts ASTM A-193 B-8M

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
in. mm	in. mm	psi bar	in. mm	in. mm	in. mm	lbs kg	
0.75	1.059	83	0-0.06	1.89	3.071	1.732	1.28
20	26.9	1200	0-1.6	48	78	44	0.58
0	1.26	83	0-0.06	2.165	3.425	1.732	1.32
25	32	1200	0-1.6	55	87	44	0.6
1	1.327	83	0-0.06	2.165	3.425	1.732	1.45
25	33.7	1200	0-1.6	55	87	44	0.66
0	1.496	83	0-0.06	2.48	3.858	1.732	1.36
32	38	1200	0-1.6	63	98	44	0.62
1.25	1.669	83	0-0.06	2.835	4.016	1.732	1.67
32	42.4	1200	0-1.6	63	98	44	0.76
1.5	1.9	83	0-0.06	2.835	4.016	1.732	2.55
40	48.3	1200	0-1.6	72	102	44	1.16
0	2.244	41.34	0-0.06	3.366	4.764	1.732	1.78
50	57	600	0-1.6	85	121	44	0.81
2	2.375	83	0-0.06	3.346	4.764	1.732	2.93
50	60.3	1200	0-1.6	85	121	44	1.33
2.5	2.875	83	0-0.06	3.858	5.354	1.772	3.37
65	73	1200	0-1.6	98	136	45	1.53
80	3	83	0-0.06	4.016	5.512	1.772	3.56
65	76.1	1200	0-1.6	102	140	45	1.62
100	3.5	83	0-0.06	4.528	6.457	1.772	4.4
3	88.9	1200	0-1.6	115	164	45	2
100	4.25	83	0-0.13	5.433	7.48	2.047	7.33
0	108	1200	0-3.2	138	190	52	3.33
125	4.5	83	0-0.13	5.906	8.11	2.047	7.37
4	114.30	1200	0-3.2	150	206	52	3.35
125	5.25	83	0-0.13	6.496	8.661	2.047	9.22
0	133	1200	0-3.2	165	220	52	4.19
125	5.5	83	0-0.13	6.921	8.976	2.047	11
0	139.7	1200	0-3.2	176	228	52	5
150	5.563	83	0-0.13	6.969	8.976	2.047	11.55
5	141.3	1200	0-3.2	177	228	52	5.25
150	6.259	83	0-0.13	7.756	10.236	2.047	14.26
0	159	1200	0-3.2	197	260	52	6.48
200	6.625	83	0-0.13	8.071	10.748	2.047	16.5
6	168.3	1200	0-3.2	205	273	52	7.5
250	8.625	83	0-0.13	11.063	9.606	2.52	24.77
8	219.1	1200	0-3.2	281	244	64	11.26
300	10.748	83	0-0.13	13.465	15.748	2.559	35.64
10	273	1200	0-3.2	342	400	65	16.2
0	12.752	83	0-0.13	15.709	18.819	2.559	39.6
12	323.9	1200	0-3.2	399	478	65	18



# Flexible Coupling

Stainless Steel Heavy Duty

## Model SP-77A

The Model SP-77C is designed for high pressure applications including R/O and desalination systems. The SP-77C is available in strong and anti-corrosive alloys of 304, 316, 316L stainless steel, Duplex CD3MN (2205), Super Duplex CE8MN, CE3MN (2507). The 77C features 304 or 316 bolts and silicone bronze heavy nuts to help prevent galling during repetitive use.

Available in sizes ¾" to 8" (DN20 to DN200) rated to a maximum working pressure of 1500 psi (105 bar) and in sizes 10" to 12" (DN250 to DN300) rated to a maximum working pressure of 1200 psi (83 bar).

### Material Specification

#### Housings

- Type 304 Stainless steel to ASTM A351 CF8 or A743 Gr. CF8
- Type 316 to ASTM A351 CF8M
- Type 316L to ASTM A743 CF3M
- CE8MN to ASTM A890 Grade 2A
- Austenitic 904L (CN2MCuN) to A351
- Duplex (CD3MN) to ASTM A890 Grade 4A
- Super duplex (CE3MN) to ASTM 890 Grade 5A
- Austenitic 254SMO (CK3MCuN) to A743

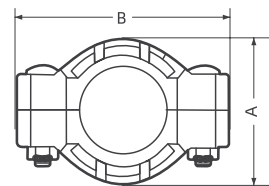
#### Rubber Gaskets

See page 13 for all available options.

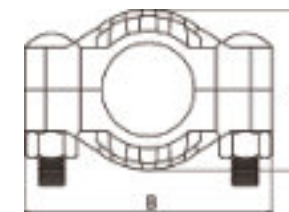
#### Nuts

- Type 316 stainless steel nuts ASTM A-193 B-8M
- Silicone bronze heavy duty nuts to ASTM B98 C65100

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
0.75	1.059	105	0-0.06	2.087	3.386	1.732	1.28
20	26.9	1500	0-1.6	53	86	44	0.58
0	1.26	105	0-0.06	2.362	3.661	1.732	1.47
25	32	1500	0-1.6	60	93	44	0.67
1	1.327	105	0-0.06	2.362	3.661	1.732	1.47
25	33.7	1500	0-1.6	60	93	44	0.67
0	1.496	105	0-0.06	2.756	4.016	1.732	1.67
32	38	1500	0-1.6	70	102	44	0.76
1.25	1.669	105	0-0.06	2.835	4.016	1.732	1.67
32	42.4	1500	0-1.6	72	102	44	0.76
1.5	1.9	105	0-0.06	3.11	4.764	1.732	2.55
40	48.3	1500	0-1.6	79	121	44	1.16
2	2.375	105	0-0.06	3.583	5.315	1.772	2.93
50	60.3	1500	0-1.6	91	135	45	1.33
2.5	2.875	105	0-0.06	4.094	5.709	1.772	3.37
65	73	1500	0-1.6	104	145	45	1.53
0	3	105	0-0.06	4.291	5.984	1.772	3.56
65	76.1	1500	0-1.6	109	152	45	1.62
3	3.5	105	0-0.06	4.921	6.535	1.772	4.4
80	88.9	1500	0-1.6	125	166	45	2
0	4.25	105	0-0.13	6.063	7.756	2.047	7.33
100	108	1500	0-3.2	154	197	52	3.33
4	4.5	105	0-0.13	5.984	8.15	2.047	7.37
100	114.3	1500	0-3.2	152	207	52	3.35
0	5.25	105	0-0.13	7.008	9.094	2.047	9.22
125	133	1500	0-3.2	178	231	52	4.19
5	5.5	105	0-0.13	7.559	9.764	2.047	11.55
125	139.7	1500	0-3.2	192	248	52	5.25
5	5.563	105	0-0.13	7.559	9.764	2.047	11.55
125	141.3	1500	0-3.2	192	248	52	5.25
0	6.259	105	0-0.13	8.504	10.433	2.047	12.78
150	159	1500	0-3.2	216	265	52	5.8
6	6.625	105	0-0.13	8.937	11.102	2.047	14.99
150	168.3	1500	0-3.2	227	282	52	6.8
8	8.625	105	0-0.13	11.063	9.606	2.52	25.14
200	219.1	1500	0-3.2	281	244	64	11.4
10	10.748	83	0-0.13	13.465	15.748	2.559	35.2
250	273	1200	0-3.2	342	400	65	16
12	12.752	83	0-0.13	15.709	18.819	2.559	42.84
300	323.9	1200	0-3.2	399	478	65	19.47



Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
1	1.327	160	0-0.06	2.638	4.094	1.85	2.68
25	33.7	2320	0-1.6	67	104	47	1.21
1.25	1.669	160	0-0.06	3.071	4.882	1.85	3.26
32	42.4	2320	0-1.6	78	124	47	1.48
1.5	1.9	160	0-0.06	3.228	5.354	1.85	4.01
40	48.3	2320	0-1.6	82	136	47	1.82
2	2.375	160	0-0.06	3.78	5.906	1.85	4.72
50	60.3	2320	0-1.6	96	150	47	2.14
2.5	2.875	160	0-0.06	4.449	6.929	1.89	6.88
65	73	2320	0-0.06	113	176	48	3.12
80	3	160	0-0.06	4.646	7.087	1.89	7.17
65	76.1	2320	0-0.06	118	180	48	3.25
100	3.5	160	0-0.06	5.118	7.48	1.89	7.01
3	88.9	2320	0-1.6	130	190	48	3.36
0	4.5	160	0-0.06	6.339	8.504	2.126	11.01
4	114.3	2320	0-1.6	161	216	54	5.02



# Flexible Coupling

Stainless Steel High Pressure

## Model SP-77UP

The Model SP-77UP is designed for high pressure applications including reverse osmosis, desalination and other specialty systems. The SP-77UP is available in strong and anti-corrosive alloys of Duplex CD3MN (2205), Super Duplex CE8MN, CE3MN (2507). The SS-2300 features 316 bolts and nuts to help prevent galling during repetitive use.

Available in sizes 1" to 4" (DN25 to DN100) rated to a maximum working pressure of 2320 psi (160 bar).

### Material Specification

#### Housings

- Type 304 Stainless steel to ASTM A351 CF8 or A743 Gr. CF8
- Type 316 to ASTM A743 CF8M
- Type 316L to ASTM A743 CF3M
- CE8MN to ASTM A890 Grade 2A
- Austenitic 904L(CN2MCuN) to A351
- Duplex 2205 (CD3MN) to ASTM A890 Grade 4A
- Super duplex 2507(CE3MN) to ASTM A890 Grade 5A
- Austenitic 254SMO(CK3MCuN) to A743

#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Type 304 stainless steel track bolts and nuts to ASTM F-593
- Type 316 stainless steel track bolts and nuts to ASTM F-593
- Type 316 stainless steel track bolts ASTM A193 B-8M with silicone bronze heavy duty nuts to ASTM B98 C65100

# Flexible Coupling

Ductile Iron Low Pressure

## Model SP-705

The Model SP-705 is designed for connection of grooved low pressure pipe systems.

Available in sizes ¾” to 4” (DN20 to DN100) rated to a maximum working pressure of 600 psi (42 bar), or in sizes 5” to 12” (DN125 to DN300) rated to a maximum working pressure of 300 psi (21 bar).

### Material Specification

#### Housings

- Ductile Iron to ASTM A536

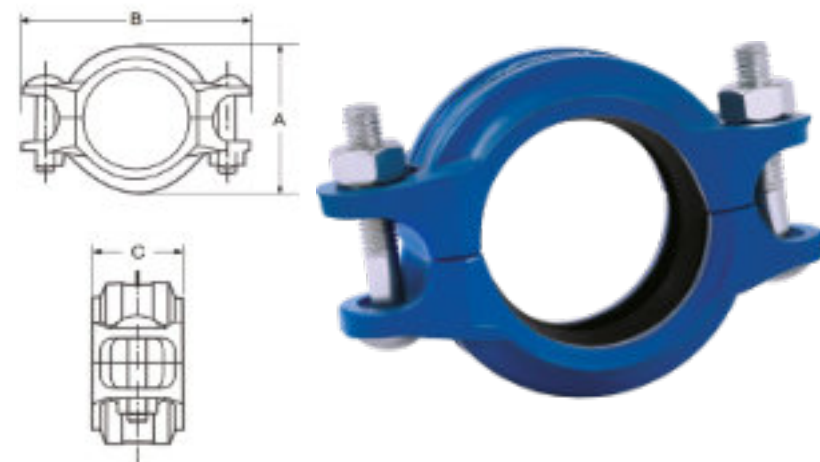
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Round-head, ellipsoid -neck, carriage bolts, type carbon iron covered with zinc or dacromet. stainless steel nuts ASTM A-193 B-8M.
- Silicone bronze heavy duty nuts to ASTM B98 C65100 for option

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
in. mm	in. mm	psi bar	in. mm	in. mm	in. mm	lbs kg	
0.75	1.059	41.34	0-0.06	2.087	3.898	1.693	1.14
20	26.9	600	0-1.6	53	99	43	0.52
0	1.26	41.34	0-0.06	2.323	4.134	1.772	1.28
25	32	600	0-1.6	59	105	45	0.58
1	1.327	41.34	0-0.06	2.165	3.622	1.654	1.32
25	33.7	600	0-1.6	55	92	42	0.6
0	1.496	41.34	0-0.06	2.559	4.488	1.732	1.32
32	38	600	0-1.6	65	114	44	0.6
1.25	1.669	41.34	0-0.06	2.559	4.094	1.732	1.32
32	42.4	600	0-1.6	65	104	44	0.6
1.5	1.9	41.34	0-0.06	2.756	4.331	1.732	1.32
40	48.3	600	0-1.6	70	110	44	0.6
0	2.244	41.34	0-0.06	3.346	5.118	1.732	1.72
50	57	600	0-1.6	85	130	44	0.78
2	2.375	41.34	0-0.06	3.268	4.882	1.732	1.76
50	60.3	600	0-1.6	83	124	44	0.8
2.5	2.875	41.34	0-0.06	3.78	5.63	1.772	3.41
65	73	600	0-1.6	96	143	45	0.9
0	3	41.34	0-0.06	3.937	5.709	1.772	1.98
65	76.1	600	0-1.6	100	145	45	0.9
3	3.5	41.34	0-0.06	4.528	6.299	1.772	2.86
80	88.9	600	0-1.6	115	160	45	1.3
0	4.250	41.34	0-0.13	5.433	7.48	1.969	3.74
100	108	600	0-3.2	138	190	50	1.7
4	4.5	41.34	0-0.13	5.709	7.795	1.969	4.18
100	114.3	600	0-3.2	145	198	50	1.9
0	5.25	31.01	0-0.13	6.378	8.858	2.008	5.94
125	133	450	0-3.2	162	225	51	2.7
0	5.5	31.01	0-0.13	6.654	9.055	2.047	2.7
125	139.7	450	0-3.2	169	230	52	2.7
5	5.563	31.01	0-0.13	6.693	9.134	2.008	5.72
125	141.3	450	0-3.2	170	232	51	2.6
0	6.259	31.01	0-0.13	7.48	10	2.047	6.82
150	159	450	0-3.2	190	254	52	3.1
6	6.625	31.01	0-0.13	7.874	10.433	2.047	7.04
150	168.3	450	0-3.2	200	265	52	3.2
8	8.625	31.01	0-0.13	10.157	13.78	2.362	12.32
200	219.1	450	0-3.2	258	350	60	5.6
10	10.75	21	0-0.13	13.268	15.984	2.559	29.04
250	273	300	0-3.2	337	406	65	13.2
12	12.75	21	0-0.13	14.646	18.11	2.559	30.58
300	323.9	300	0-3.2	372	460	65	13.9



# Flexible Coupling

Ductile Iron Medium Pressure

## Model SP-707

The Model SP-707 is designed for connection of grooved high pressure pipe systems.

Available in sizes ¾” to 6” (DN20 to DN150) rated to a maximum working pressure of 1000 psi (68.9 bar), or in sizes 8” to 12” (DN200 to DN300) rated to a maximum working pressure of 800 psi (55.12 bar).

### Material Specification

#### Housings

- Ductile Iron to ASTM A536

#### Surface Finish:

- (Antirust paint red or blue)
- Hot dip zinc galvanized
- Epoxy power
- Dacromet
- TRFLOW (PTFE)
- Rilsan PA11

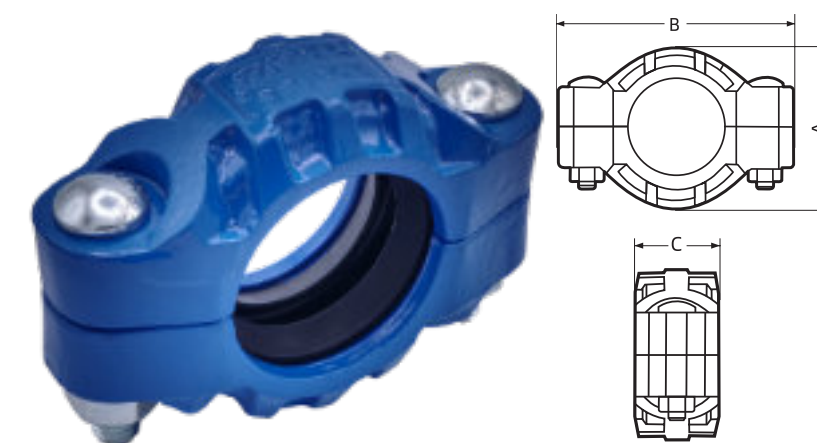
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Round-head, ellipsoid-neck, carriage bolts, type carbon iron covered with zinc or dacromet.

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
in. mm	in. mm	psi bar	in. mm	in. mm	in. mm	lbs kg	
0.75	1.059	82.68	0-0.06	2.126	4.016	1.732	1.1
20	26.9	1200	0-1.6	54	102	44	0.5
1	1.315	82.68	0-0.06	2.362	4.134	1.732	1.1
25	33.7	1200	0-1.6	60	100	44	0.5
1.25	1.669	82.68	0-0.06	2.717	4.409	1.89	1.98
32	42.4	1200	0-1.6	69	112	48	0.9
1.5	1.902	82.68	0-0.06	2.953	4.685	1.89	2.2
40	48.3	1200	0-1.6	75	119	48	1
2	2.374	82.68	0-0.06	3.386	5.197	1.89	2.64
50	60.3	1200	0-1.6	86	132	48	1.2
2.5	2.874	82.68	0-0.06	4.055	5.709	1.89	3.41
65	73	1200	0-1.6	103	145	48	1.4
0	2.996	82.68	0-0.06	4.173	5.866	1.89	3.3
65	76.1	1200	0-1.6	106	149	48	1.5
3	3.5	82.68	0-0.06	4.646	6.378	1.89	3.74
80	88.9	1200	0-1.6	118	162	48	1.7
0	4.252	68.9	0-0.13	5.669	7.953	2.126	11
100	108	1000	0-3.2	144	202	54	5
4	4.5	68.9	0-0.13	5.984	8.346	2.126	6.6
100	114.3	1000	0-3.2	152	212	54	3
0	5.236	68.9	0-0.13	6.811	9.685	2.126	9.9
125	133	1000	0-3.2	173	246	54	4.5
0	5.5	68.9	0-0.13	7.008	9.921	2.126	9.9
125	139.7	1000	0-3.2	178	252	54	4.5
5	5.563	68.9	0-0.13	7.087	10.039	2.126	10.56
125	141.3	1000	0-3.2	180	255	54	4.8
0	6.26	68.9	0-0.13	7.835	10.827	2.126	13.2
150	159	1000	0-3.2	199	275	54	6
6	6.626	68.9	0-0.13	8.307	11.417	2.126	11.88
150	168.3	1000	0-3.2	211	290	54	5.4
8	8.626	55.12	0-0.13	10.354	13.622	2.52	20.68
200	219.1	800	0-3.2	263	346	64	9.4
10	10.748	55.12	0-0.13	12.874	16.614	2.638	31.02
250	273	800	0-3.2	327	422	67	14.1
12	12.752	55.12	0-0.13	14.961	18.661	2.638	38.72
300	323.9	800	0-3.2	380	474	67	17.6



# Flexible Coupling

Ductile Iron Low Pressure

## Model SP-709

The Model SP-709 is designed for connection of grooved ultrahigh pressure pipe systems.

Available in sizes 3/4" to 6" (DN20 to DN150) rated to a maximum working pressure of 2000psi (137.8 bar), or in sizes 8" to 12" (DN200 to DN300) rated to a maximum working pressure of 1000psi (68.9 bar).

### Material Specification

#### Housings

- Ductile Iron to ASTM A536

#### Surface Finish:

- (Antirust paint red or blue)
- Hot dip zinc galvanized
- Epoxy power
- Dacromet
- TRFLOW (PTFE)
- Rilsan PA11

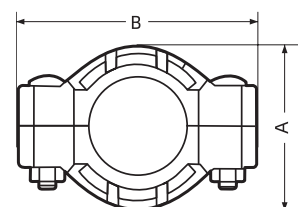
#### Rubber Gaskets

See page 13 for all available options.

#### Nuts & Bolts

- Round-head, ellipsoid-neck, carriage bolts, type carbon iron covered with zinc or dacromet.

Size	Pipe OD	Max. Pres.	Pipe End Sep.	Dimensions			Weight
				A	B	C	
0.75	1.059	82.68	0-0.06	2.126	4.016	1.732	1.1
20	26.9	1200	0-1.6	54	102	44	0.5
1	1.315	82.68	0-0.06	2.362	4.134	1.732	1.1
25	33.7	1200	0-1.6	60	100	44	0.5
1.25	1.669	82.68	0-0.06	2.717	4.409	1.89	1.98
52	42.4	1200	0-1.6	69	112	48	0.9
1.5	1.902	82.68	0-0.06	2.953	4.685	1.89	2.2
40	48.3	1200	0-1.6	75	119	48	1
2	2.374	82.68	0-0.06	3.386	5.197	1.89	2.64
50	60.3	1200	0-1.6	86	132	48	1.2
2.5	2.874	82.68	0-0.06	4.055	5.709	1.89	3.41
65	73	1200	0-1.6	103	145	48	1.4
0	2.996	82.68	0-0.06	4.173	5.866	1.89	3.3
65	76.1	1200	0-1.6	106	149	48	1.5
5	3.5	82.68	0-0.06	4.646	6.378	1.89	3.74
80	88.9	1200	0-1.6	118	162	48	1.7
0	4.252	68.9	0-0.13	5.669	7.953	2.126	11
100	108	1000	0-3.2	144	202	54	5
4	4.5	68.9	0-0.13	5.984	8.346	2.126	6.6
100	114.3	1000	0-3.2	152	212	54	3
0	5.236	68.9	0-0.13	6.811	9.685	2.126	9.9
125	133	1000	0-3.2	173	246	54	4.5
0	5.5	68.9	0-0.13	7.008	9.921	2.126	9.9
125	139.7	1000	0-3.2	178	252	54	4.5
5	5.563	68.9	0-0.13	7.087	10.039	2.126	10.56
125	141.3	1000	0-3.2	180	255	54	4.8
0	6.26	68.9	0-0.13	7.835	10.827	2.126	13.2
150	159	1000	0-3.2	199	275	54	6
6	6.626	68.9	0-0.13	8.307	11.417	2.126	11.88
150	168.3	1000	0-3.2	211	290	54	5.4
8	8.626	55.12	0-0.13	10.354	13.622	2.52	20.68
200	219.1	800	0-3.2	263	346	64	9.4
10	10.748	55.12	0-0.13	12.874	16.614	2.638	31.02
250	273	800	0-3.2	327	422	67	14.1
12	12.752	55.12	0-0.13	14.961	18.661	2.638	38.72
500	323.9	800	0-3.2	380	474	67	17.6



### Standard Grades

Grade	Temp. Range	Compound	General Recommendations
E	-30°F to +230°F (-34°C to +110°C)	EPDM	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. UL classified in accordance with ANSI/NSF 61 for cold (+86°F/+30°C) and hot (+180°F/+82°C) potable water service.  NOT RECOMMENDED FOR PETROLEUM SERVICES.
T	-20°F to +180°F -29°C to +82°C	Nitrile	Recommended for petroleum products, hydrocarbons, air with oil vapors, vegetable and mineral oils within the specified temperature range; not recommended for hot dry air over +140°F/+60°C and water over +150°F/+66°C.  NOT RECOMMENDED FOR HOT WATER SERVICES.

### Specialty Grades

Grade	Temp. Range	Compound	General Recommendations
M2	-40°F to +160°F (-40°C to +71°C)	Epichlorohydrin	Specially compounded to provide superior service for common aromatic fuels at low temperatures. Also suitable for certain ambient temperature water services.
V	-30°F to +180°F (-34°C to +82°C)	Neoprene	Recommended for hot lubricating oils and certain chemicals. Good oxidation resistance. Will not support combustion.
O	+20°F to +300°F -7°C to +149°C	Fluoroelastimer	Recommended for many oxidizing acids, petroleum oils, halogenated hydrocarbons, lubricants, hydraulic fluids, organic liquids and air with hydrocarbons.  NOT RECOMMENDED FOR HOT WATER SERVICES.
L	-30°F to +350°F -34°C to +177°C	Silicone	Recommended for dry heat, air without hydrocarbons to +350°F/+177°C and certain chemical services.
A	+20°F to +180°F -7°C to +82°C	White Nitrile	No carbon black content. May be used for food. Meets FDA requirements. Conforms to CFR Title 21 Part 177.2600. Not recommended for hot water services over +150°F/+66°C or for hot, dry air over +140°F/+60°C.  NOT RECOMMENDED FOR HOT WATER SERVICES.
T	-20°F to +150°F -29°C to +66°C	Nitrile	Specially compounded with excellent oil resistance and a high modulus for resistance to extrusion. Temperature range -20°F/-29°C to +150°F/+66°C. Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Not recommended for hot water services over +150°F/+66°C or for hot, dry air over +140°F/+60°C.  For maximum gasket life under pressure extremes, temperature should be limited to +120°F/+49°C.



Type C



Type F

The information presented in this guide is general in scope and should be used only with this full knowledge and understanding. If being used in unusual, critical, or severe services, full information should be referred to Sanderson-Pass.

# Gaskets

Options Available

## Antiscalants

### Vitec™ 1400

Vitec™ 1400 is a proprietary liquid antiscalant designed to inhibit a wide range of scales including carbonate, sulfate, and silica in municipal feedwaters where metal (i.e., aluminum) concentrations in the feed are low but silica scale potential is elevated. Vitec 1400 is NSF approved.

### Vitec™ 3000

Vitec™ 3000 is a powerful, wide spectrum, liquid antiscalant and dispersant that is highly effective at low dose rates and in a wide range of feedwaters such as brackish, wastewater and seawater. Vitec 3000 is used in multiple industries including, but not limited to, semiconductor, food and beverage, power, and oil and gas. It contains high and low molecular weight components that are proven to not only prevent scale precipitation but also to disperse particles. Vitec 3000 is NSF approved.



### Vitec™ 3025

Vitec™ 3025 is a full spectrum, liquid antiscalant for high organic and silt waters that have a lower potential for carbonate, sulfate, or silica scaling. Vitec 3025 is very effective in agriculture and farming applications and at sites where dilution of the chemical is not possible. Vitec 3025 is compatible with organic coagulants such as RoQuest 3000.

Vitec 3025 is certified by NSF International under NSF/ANSI Standard 60 for use in systems producing drinking water.

### Vitec™ 4000

Vitec™ 4000 is a liquid antiscalant and dispersant that offers excellent silica scale inhibition and allows increased system recoveries in high silica feedwaters. Vitec 4000 prevents silica scale up to 2.8 times saturation, without the addition of acid. It also prevents clay formation (aluminum silicates) in the second stage of systems as well as calcium phosphate. Vitec 4000 is effective in water containing high metals such as iron, aluminum, and manganese. It is highly successful in many different industries and applications including, but not limited to, mining, well water, high recovery applications, wastewater, and in regions with high volcanic silica. Vitec 4000 is NSF approved.



### Vitec™ 5100

Vitec™ 5100 is a multicomponent antiscalant targeted at preventing scale precipitation in larger systems and is particularly cost effective in seawater and municipal reverse osmosis (RO) applications. This full spectrum antiscalant is also very effective in high iron and organic waters.

Vitec 5100 is certified by NSF International under NSF/ANSI Standard 60 for use in systems producing drinking water.

### Vitec™ 7400

Vitec™ 7400 is a liquid antiscalant with a unique blend of polymer and phosphonate components used for systems with both high silica and sulfate challenges. This product was developed for high silica and sulfate groundwaters, high recovery systems, and closed-circuit desalination. Vitec 7400 is NSF approved.

## Biocides

### RoCide™ DB20

RoCide™ DB20 is a concentrated, fast-acting, non-oxidizing liquid biocide for intermittent use that provides instant antimicrobial activity. It is based on a 20% solution of the active ingredient dibromonitropropionic acid.

RoCide DB20 is certified by the US EPA for use in reverse osmosis (RO) systems. It degrades rapidly and naturally, making it a cost-effective method of eliminating contamination in compliance with strict discharge regulations.

### RoCide™ IS2

RoCide™ IS2 liquid is a broad spectrum, non-oxidizing biocide intended for continuous injection and specifically formulated for reverse osmosis (RO) feedwaters. It is slower acting than some other biocides but is more stable for continuous injection. It is based on a 1.5% isothiazolinone mixture. This slow-acting biocide is powerful against microbiological contaminant commonly found in RO applications including bacteria, fungi and algae.

RoCide IS2 is designed to be fed continuously to RO system feedwaters and may be used alone or in conjunction with RoCide™ DB20. Alternatively, RoCide IS2 can be applied intermittently and is also highly effective as a preservative. It can be used in waters containing high sulfites, up to 25 ppm of sulfite or bisulfite.

## Coagulants

### RoQuest™ 4000

RoQuest™ 4000 liquid coagulant is an organic polymer and ferric sulfate blend used to enhance the removal of a broad spectrum of inorganic particulates, organics, silt, and colloids in multimedia filters. This multicomponent polymer and iron salt coagulant is formulated for waters with high organics and turbidities higher than 2.0 NTU. Although this product is membrane compatible, overfeeding of pretreatment chemicals is not recommended as it can affect organic and particulate removal.

RoQuest 4000 is injected into the feedstream of multimedia and sand filters to enhance filter performance by reducing turbidity and color to produce an improved filtrate that will reduce downstream reverse osmosis (RO) and nanofiltration (NF) membrane fouling. Best results are achieved in raw waters with upper limits of turbidity and color (10 NTU



## MF/UF Cleaners

### AvistaClean™ MF1000

AvistaClean™ MF 1000 powder is a proprietary, one-step cleaner used to remove foulants from microfiltration (MF) and cleaner used to remove foulants from microfiltration (MF) and ultrafiltration (UF) membrane surfaces and pores. This cleaner acts on organic and particulate foulants and is compatible with the MF/UF modules offered by major membrane manufacturers.

AvistaClean MF 1000 is NSF certified for off-line use in drinking water systems and can be used in conjunction with AvistaClean MF 3000 when membrane foulants contain

calcium carbonate and/or metals.

### AvistaClean™ MF 3000

AvistaClean™ MF 3000 powder is a low pH, proprietary cleaner that removes calcium carbonate and metal foulants from microfiltration (MF) and ultrafiltration (UF) membrane surfaces and pores.

This one-step cleaner can be used sequentially with AvistaClean MF 1000 or MF 1000A when the membrane foulants are colloidal and/or organic. AvistaClean MF 3000 has proven compatible with MF/UF modules offered by all major manufacturers.



# R/O System Chemicals

From Avista Technologies, Inc.

## Cleaners

### RoClean™ L102

RoClean™ L102 is a low pH liquid formulation designed to clean and/or preserve polyamide membranes for storage. When used as a preservative, best results are achieved when the reverse osmosis (RO) elements are cleaned prior to introducing the RoClean L102 solution. A foulant layer on the membrane surface will create a boundary and reduce the effectiveness of the preservative.

### RoClean™ L211

RoClean™ L211 is a liquid multicomponent, high pH buffered, low foaming cleaner formulated to remove colloidal silica, clay, organic color, and bioslime from reverse osmosis (RO) membranes and nanofiltration (NF) equipment. This cleaner is successfully applied to systems operating on seawater, brackish water, or wastewater where liquid cleaner is preferred. RoClean L211 is a highly effective foulant remover but gentle enough for daily application if required. RoClean L211 is NSF approved and EN 12124 compliant for drinking water treatment chemicals.



### RoClean™ L212

RoClean™ L212 is a high pH, liquid cleaner free of EDTA and phosphate and formulated to remove humic and fulvic acids, aluminum silicate clay, colloidal material, mild silica scaling, and bioslime. This product is especially effective in removing bioslime and solids in element feed spacers. RoClean L212 is NSF approved.

### RoClean™ L403

RoClean™ L403 liquid is a multicomponent, low pH cleaner formulated to remove severe calcium carbonate scaling, moderate metal fouling and metal-organic complexes. RoClean L403 is the premium product for systems operating on seawater, brackish water, or wastewater. RoClean L403 is a highly effective foulant remover but gentle enough for daily application if required. RoClean L403 is NSF approved.

### RoClean™ L811

RoClean™ L811 liquid is a multicomponent, high pH buffered cleaner formulated to remove severe sulfate scale, phosphatescale, moderate carbonate scale, and calcium complexes. scale, moderate carbonate scale, and calcium complexes. RoClean L811 is NSF approved.

### RoClean™ P111

RoClean™ P111 powder is a multicomponent, high pH buffered cleaner formulated to remove severe biofouling including polysaccharides, severe colloidal fouling, and

moderate humic/fulvic acid fouling. Where powder is preferred, RoClean P111 is successfully applied to systems operating on seawater, brackish water, or wastewater. RoClean P111 is certified by NSF International under NSF/ANSI Standard 60 for off-line use in drinking water systems.

### RoClean™ P112

RoClean™ P112 powder is a multicomponent, high pH buffered cleaner specifically formulated to remove silica scale more safely than hydrofluoric acid and ammonium bifluoride solutions, which are potentially hazardous. This product is also effective against severe aluminum silicates scaling and stubborn organics. RoClean P112 is NSF approved.

### RoClean™ P303

RoClean™ P303 is a multicomponent, low pH buffered powder cleaner formulated to remove severe calcium carbonate scaling, moderate metal fouling, and metal-organic complexes. Where powder is preferred, RoClean P303 is successfully applied to systems operating on seawater, brackish water, or wastewater. RoClean P303 is NSF approved.

### RoClean™ P611

RoClean™ P611 powder is a multicomponent, high pH buffered cleaner that is free of phosphate and EDTA. It is effective against foulants commonly found in wastewater reuse plants and landfill leachate systems, including hydrophobic organic foulants, bioslime, clay, and

colloidal silica. RoClean P611 is highly buffered to resist pH changes during the cleaning process and is NSF certified for off-line use in drinking water systems. This cleaner is ideal for sites with strict environmental discharge limits.

### RoClean™ P903

RoClean™ P903 is a low pH, fast-acting cleaner designed to remove iron, manganese, aluminum, metal-organic complexes, clays, phosphate scale, and colloidal material from reverse osmosis (RO)

## Chlorine Scavengers

### Kuriverter™ AC 427

Kuriverter™ AC-427 is a modified, odorless liquid sodium bisulfite formulation used to remove free and combined chlorine from reverse osmosis (RO) feedwaters. This foodgrade chemical is stabilized to prevent off-gassing, making it ideal for indoor installations.

Kuriverter AC-427 removes chlorine more effectively than activated carbon and eliminates many of the issues associated with carbon beds, including bacterial growth and carbon fines in downstream

## Other Chemicals

### SafeGuard™ 100

SafeGuard™ 100 is a specialty formulation designed to preserve reverse osmosis (RO) membranes during short- and long-term storage or plant shutdown. It can be used to safely store elements still installed in the vessels or removed for warehousing. SafeGuard 100 is compatible with materials of construction used in membrane systems, and its use avoids problems associated with sodium bisulfite and low pH preservatives. It is certified by NSF for off-line use in potable systems when flushed according to the NSF



## Melt Blown Filters

### QUAD-PRO

- FDA Title 21 Compliant
- Great Value
- No Glue or Binders
- High Dirt Loading
- Low Pressure Drop

### QUAD-DELUXE

- 95% Efficiency at designated microns
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- High Dirt Loading
- Low Pressure Drop

### QUAD-ELITE

- 99% Efficiency at designated microns
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading
- Heat set surface to stop fiber migration

### QUAD-RO

- High-End Membrane Protection when it is Critical
- FDA Title 21 Compliant
- Integrated 4 Stage Depth Loading
- Cored Center for Filter Stability
- High Dirt Loading
- No Fiber Migration

### Specifications

- Maximum Forward Differential Pressure 40 psi (1.7 bar) @ 155° F (66° C), 60 psi (3.4 bar) @ 86° F (30° C)
- Recommended Change Out Differential Pressure 35 psi (2.4 bar)
- Micron Ratings: 1, 5, 10, 20, 25, 30, 50, 75 & 100
- All polypropylene components meet the specifications for biological safety per the USP for Class VI-121° C plastics.
- FDA Listed Materials
- AMBF guarantees all materials used in production are FDA Title 21 compliant

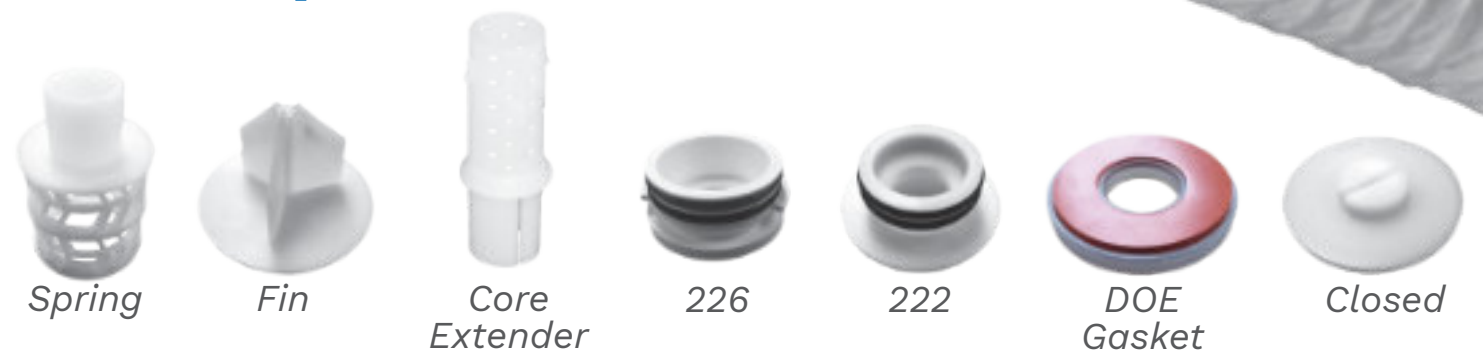
MELT BLOWN	MEDIA	MICRON	DIAMETER	LENGTH	SERIES	CORE (OPTIONAL)	END CAP	GASKET/ O-RING
B	E	1	S	2	X		2	B
B	E = Polypropylene	1 5 10 20 25 30 50 75 100	S = 2.5" Standard M = 4.5" * C = Custom	1 = 9.875 2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40 W = 50 C = Custom up to 72"	S = Quad Pro X = Quad Deluxe A = Quad Elite R = Quad Ro	H = Polypropylene Core (Series A & R require a core)	1 = DOE/no caps 2 = 222/Fin 3 = 222/Spring 4 = 222/Closed 5 = 226/Closed 6 = 226/Fin 7 = 226/Spring 8 = SOE/Spring 9 = DOE Gasket A = Custom E = Core Extender ES = Core Extender/Spring	B = Buna V = Viton® T = Teflon® S = Silicone N = Neoprene D = EPDM P = Polyfoam (No Selection required for DOE)

## String Wound Filters

STRING WOUND	MEDIA	MICRON	DIAMETER	LENGTH	CORE MATERIAL	CORE COVER	END CAP	GASKET/ O-RING
W	P	10	S	3	E	X	1	
W = Standard WQ = Ink & Paint	N=Natural Cotton C = Bleached cotton FDA P = Polyester E = Polypropylene S =	1 5 10 20 25 30 50 75 100	S = 2.5" Standard M = 4.5" * C = Custom	1 = 9.875 2 = 9.75 3 = 10 4 = 19.5 5 = 20 6 = 29.25 7 = 30 8 = 39 9 = 40 W = 50 C = Custom up to 72"	S = Quad Pro X = Quad Deluxe A = Quad Elite R = Quad Ro	H = Polypropylene Core (Series A & R require a core)	1 = DOE/no caps 2 = 222/Fin 3 = 222/Spring 4 = 222/Closed 5 = 226/Closed 6 = 226/Fin 7 = 226/Spring 8 = SOE/Spring 9 = DOE Gasket A = Custom E = Core Extender ES = Core Extender/Spring	B = Buna V = Viton® T = Teflon® S = Silicone N = Neoprene D = EPDM P = Polyfoam (No Selection required for DOE)

- AMBF's string wound elements are manufactured in-house on custom, high-speed, computer controlled machines for consistent thread spacing
- Customized patterns and spacing offered to adapt to your specialized applications
- Ink and paint elements have a 3-stage multi pattern winding process offering true depth loading and prevents core blinding
- With 6 media selections and 15 micron ratings, we are sure to produce the element you require
- All end cap configurations available to fit your existing housing
- Standard diameters are 2.5 and 4.5 inches
- Standard lengths from 9.75 to 40 inches
- FDA Title 21 Compliant Media

## End Caps Available



Spring      Fin      Core Extender      226      222      DOE Gasket      Closed

