



AB VALVES GmbH

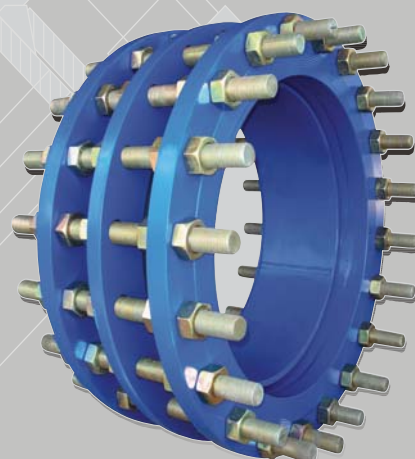
Dismantling Joints (JTDM)



F3



F2



F1

**Manufacturer of Industrial Valves
and Relevant Equipments**

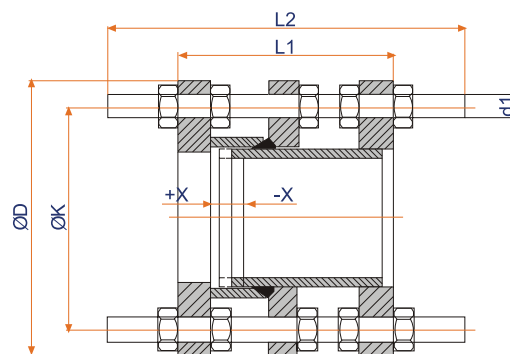
Rigid Dismantling Joints – Type F1

Features:

By using these joints, valves could easily be installed, removed / dismantled from the pipeline. By turning the bolts the length of the dismantling Joints can be reduced allowing enough space for removing the valve and sealing washers from the pipeline. For installing the valves and sealing washers, the length of dismantling joints can be adjusted by the adjusting bolts and therefore fastening the valve tightly to the pipe flanges.

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

■ All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.



Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 ,DIN 2501)

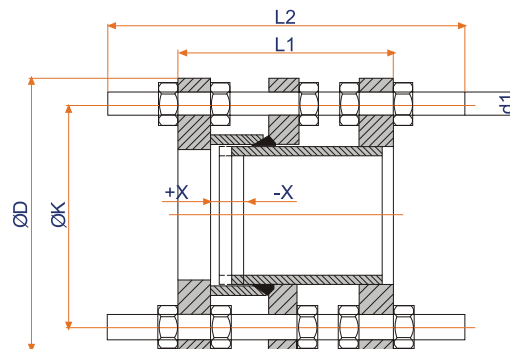
PN 10	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	No.of holes	d1	L2 (mm)	Weight
	50	165	125	195	±25	4	M16	320	11
	65	185	145	195	±25	4	M16	320	13
	80	200	160	195	±25	8	M16	320	17
	100	220	180	200	±25	8	M16	320	21
	125	250	210	200	±25	8	M16	320	26
	150	285	240	200	±25	8	M20	360	35
	200	340	295	220	±25	8	M20	360	49
	250	395	350	220	±25	12	M20	360	65
	300	445	400	220	±25	12	M20	360	73
	350	505	460	230	±25	16	M20	360	97
	400	565	515	230	±25	16	M24	410	125
	450	615	585	250	±25	20	M24	410	141
	500	670	620	260	±25	20	M24	430	162
	600	780	725	260	±25	20	M27	430	207
	700	895	840	260	±25	24	M27	430	260
	800	1015	950	290	±25	24	M30	480	355
	900	1115	1050	290	±25	28	M30	480	408
	1000	1230	1160	290	±25	28	M33	480	488
	1200	1455	1380	320	±25	32	M36	530	750
	1400	1675	1590	360	±25	36	M39	580	1037
	1600	1915	1820	390	±25	40	M45	650	1525
	1800	2115	2020	400	±25	44	M45	650	1830
	2000	2325	2230	410	±25	48	M45	700	2280

We can send specification for larger sizes than 2000mm as per request.

Rigid Dismantling Joints – Type F1

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

- All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.



Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 ,DIN 2501)

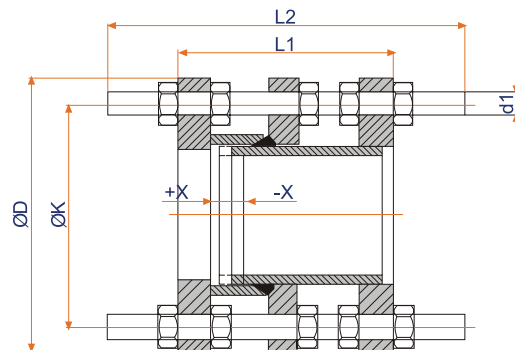
PN 16	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	No.of holes	d1	L2 (mm)	Weight
	50	165	125	195	±25	4	M16	320	11
	65	185	145	195	±25	4	M16	320	13
	80	200	160	195	±25	8	M16	320	18
	100	220	180	200	±25	8	M16	320	21
	125	250	210	200	±25	8	M16	320	26
	150	285	240	200	±25	8	M20	360	35
	200	340	295	220	±25	12	M20	360	52
	250	405	355	230	±25	12	M24	370	76
	300	460	410	250	±25	12	M24	410	93
	350	520	470	260	±25	16	M24	410	129
	400	580	525	270	±25	16	M27	430	164
	450	640	585	270	±25	20	M27	430	190
	500	715	650	280	±25	20	M30	480	243
	600	810	770	300	±25	20	M33	480	332
	700	910	840	300	±25	24	M33	480	368
	800	1025	950	320	±25	24	M36	530	480
	900	1125	1050	320	±25	28	M36	530	548
	1000	1255	1170	340	±25	28	M39	580	719
	1200	1485	1390	360	±25	32	M45	600	1110
	1400	1685	1590	415	±25	36	M45	700	1350
	1600	1930	1820	445	±25	40	M52	750	1822
	1800	2130	2020	450	±25	44	M52	750	2555
	2000	2345	2230	460	±25	48	M56	800	2645

We can send specification for larger sizes than 2000mm as per request.

Rigid Dismantling Joints – Type F1

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

- All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.



Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 ,DIN 2501)

PN 25	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	No.of holes	d1	L2 (mm)	Weight
	50	165	125	195	±25	4	M16	320	13
	65	185	145	195	±25	8	M16	320	18
	80	200	160	215	±25	8	M16	345	22
	100	235	190	220	±25	8	M20	360	32
	125	270	220	220	±25	8	M24	370	43
	150	300	250	230	±25	8	M24	410	52
	200	360	310	230	±25	12	M24	410	76
	250	425	370	250	±25	12	M27	430	103
	300	485	430	250	±25	16	M27	430	134
	350	555	490	270	±25	16	M30	480	196
	400	620	550	280	±25	16	M33	480	248
	450	670	600	280	±25	20	M33	480	281
	500	730	660	300	±25	20	M36	500	327
	600	845	770	320	±25	20	M39	530	436
	700	960	875	320	±25	24	M45	560	573
	800	1085	990	360	±25	24	M45	650	800
	900	1185	1090	380	±25	28	M45	700	888
	1000	1320	1210	400	±25	28	M52	700	1272
	1200	1530	1420	450	±25	32	M56	750	1870
	1400	1755	1640	490	±25	36	M56	800	2050
	1600	1975	1860	510	±25	40	M56	850	2532
	1800	2195	2070	520	±25	44	M64	880	2965
	2000	2425	2300	545	±25	48	M64	900	3260

We can send specification for larger sizes than 2000mm and pressures over 25 bars as per request.

Rigid Dismantling Joints – Type F2

Features:

By using these joints, valves could easily be installed, removed / dismantled from the pipeline. By turning the bolts the length of the dismantling Joints can be reduced allowing enough space for removing the valve and sealing washers from the pipeline. For installing the valves and sealing washers, the length of dismantling joints can be adjusted by the adjusting bolts and therefore fastening the valve tightly to the pipe flanges.

Preference: Quick and Easy installation to Type F1

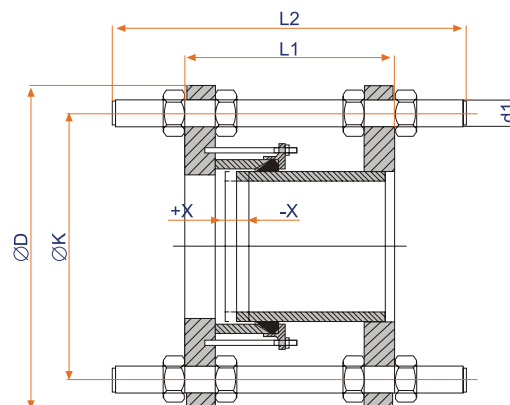
Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

■ All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.

Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 , DIN 2501)



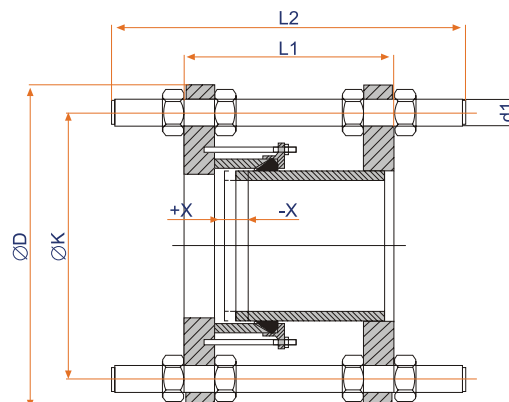
	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	Flange Adaptor Stud Bolts No. & Dimensions	Tie Stud Bolt No. & Dimensions			Weight
							No. of holes	d1	L2(mm)	
PN 10	50	165	125	195	±25	2-M12x140	4	M16	320	8.3
	65	185	145	195	±25	2-M12x140	4	M16	320	9.3
	80	200	160	195	±25	4-M12x140	4	M16	320	10.8
	100	220	180	200	±25	4-M12x140	4	M16	320	12.1
	125	250	210	200	±25	4-M12x140	4	M16	320	14.5
	150	285	240	200	±25	4-M12x140	4	M20	360	21
	200	340	295	220	±25	6-M12x140	4	M20	360	26.9
	250	395	350	220	±25	6-M12x140	4	M20	360	33.8
	300	445	400	220	±25	6-M12x140	4	M20	360	39.1
	350	505	460	230	±25	8-M12x140	4	M20	360	67.7
	400	565	515	230	±25	8-M12x140	4	M24	410	80.3
	450	615	585	250	±25	10-M12x140	5	M24	410	89.7
	500	670	620	260	±25	10-M12x150	5	M24	430	100
	600	780	725	260	±25	10-M12x150	5	M27	430	124
	700	895	840	260	±25	12-M12x150	6	M27	430	151
	800	1015	950	290	±25	12-M12x150	6	M30	480	184
	900	1115	1050	290	±25	14-M12x150	7	M30	480	205
	1000	1230	1160	290	±25	14-M12x180	7	M33	480	271
	1200	1455	1380	320	±25	16-M12x180	8	M36	530	448
	1400	1675	1590	360	±25	18-M12x180	9	M39	580	547
	1600	1915	1820	390	±25	20-M12x180	10	M45	650	1103
	1800	2115	2020	400	±25	22-M12x230	11	M45	650	1176
	2000	2325	2230	410	±25	24-M12x230	12	M45	700	1351

We can send specification for larger sizes than 2000mm as per request.

Rigid Dismantling Joints – Type F2

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

- All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.



Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 , DIN 2501)

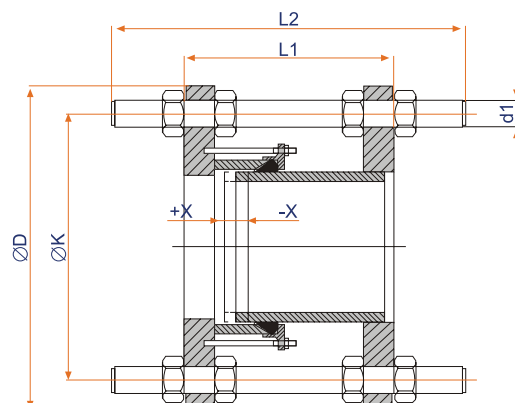
	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	Flange Adaptor Stud Bolts No. & Dimensions	Tie Stud Bolt No. & Dimensions			Weight
							No.of holes	d1	L2(mm)	
PN 16	50	165	125	195	±25	2-M12x140	4	M16	320	8.3
	65	185	145	195	±25	2-M12x140	4	M16	320	9.3
	80	200	160	195	±25	4-M12x140	4	M16	320	10.8
	100	220	180	200	±25	4-M12x140	4	M16	320	12.1
	125	250	210	200	±25	4-M12x140	4	M16	320	14.5
	150	285	240	200	±25	4-M12x140	4	M20	360	21
	200	340	295	220	±25	6-M12x140	4	M20	360	29.2
	250	405	355	230	±25	6-M12x140	4	M24	370	39.9
	300	465	410	250	±25	6-M12x140	4	M24	410	46.8
	350	520	470	260	±25	8-M12x140	4	M24	410	63.8
	400	580	525	270	±25	8-M12x140	4	M27	430	87.5
	450	640	585	270	±25	10-M12x140	5	M27	430	102
	500	715	650	280	±25	10-M12x150	5	M30	480	123
	600	840	770	300	±25	10-M12x150	6	M33	480	159
	700	910	840	300	±25	12-M12x150	6	M33	480	167
	800	1025	950	320	±25	12-M12x150	6	M36	530	199
	900	1125	1050	320	±25	14-M12x150	7	M36	530	223
	1000	1255	1170	340	±25	14-M12x180	7	M39	580	300
	1200	1485	1390	360	±25	16-M12x180	8	M45	600	508
	1400	1685	1590	415	±25	18-M12x180	9	M45	700	602
	1600	1930	1820	445	±25	20-M12x180	10	M52	750	1188
	1800	2130	2020	450	±25	22-M12x230	11	M52	750	1363
	2000	2345	2230	460	±25	24-M12x230	12	M56	800	1594

We can send specification for larger sizes than 2000mm as per request.

Rigid Dismantling Joints – Type F2

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

- All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.



Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 , DIN 2501)

	DN	D (mm)	K (mm)	L1 (mm)	X (mm)	Flange Adaptor Stud Bolts No. & Dimensions	Tie Stud Bolt No. & Dimensions			Weight
							No. of holes	d1	L2(mm)	
PN 25	50	165	125	195	±25	2-M12x140	4	M16	320	8.3
	65	185	145	195	±25	2-M12x140	4	M16	320	9.3
	80	200	160	215	±25	4-M12x140	4	M16	345	10.8
	100	235	190	220	±25	4-M12x140	4	M20	360	19.9
	125	270	220	220	±25	4-M12x140	4	M24	370	25.6
	150	300	250	230	±25	4-M12x140	4	M24	410	29.8
	200	360	310	230	±25	6-M12x140	4	M24	410	37
	250	425	370	250	±25	6-M12x140	4	M27	430	48.4
	300	485	430	250	±25	6-M12x140	4	M27	430	56.3
	350	555	490	270	±25	8-M12x140	4	M30	480	89.1
	400	620	550	280	±25	8-M12x140	4	M33	480	107
	450	670	600	280	±25	10-M12x140	5	M33	480	118
	500	730	660	300	±25	10-M12x155	5	M33	500	133
	600	845	770	320	±25	10-M12x155	5	M33	530	167
	700	960	875	320	±25	12-M12x155	6	M39	560	215
	800	1085	990	360	±25	12-M12x155	6	M45	650	285
	900	1185	1090	380	±25	14-M12x155	7	M45	700	346
	1000	1320	1210	400	±25	14-M12x155	7	M52	700	517

We can send specification for larger sizes than 1000mm and pressures over 25 bars as per request.

Non Rigid Dismantling Joints – Type F3

Features:

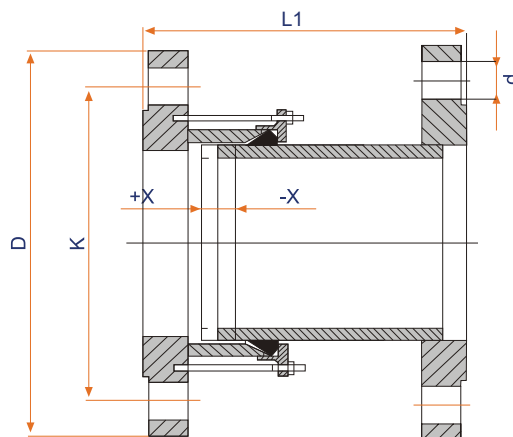
Non Rigid dismantling joints in addition to pedestrian and assembly of valves can neutralize line's angle up to $^{\circ} 4\pm$, they have also ability to neutralize the vibrations, these parts due to special design and has the ability to withstand high pressures.

Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

- All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request.

Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.



Flange Drilling as per ISO7005-1 (EN 1092 – 1 , DIN 2501)

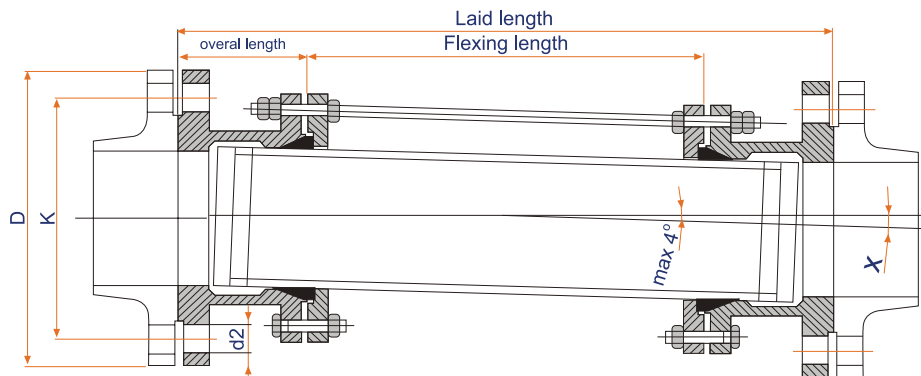
PN 10	DN	D (mm)	K (mm)	L1 (mm)	No.of holes	d (mm)	PN 16	DN	D (mm)	K (mm)	L1 (mm)	No.of holes	d (mm)
	50	165	125	195	4	18		50	165	125	195	4	18
	65	185	145	195	4	18		65	185	145	195	4	18
	80	200	160	195	8	18		80	200	160	195	8	18
	100	220	180	200	8	18		100	220	180	200	8	18
	125	250	210	200	8	18		125	250	210	200	8	18
	150	285	240	200	8	22		150	285	240	200	8	22
	200	340	295	220	8	22		200	340	295	220	8	22
	250	395	350	220	12	22		250	405	355	230	12	26
	300	445	400	220	12	22		300	460	410	250	12	26
	350	505	460	230	16	22		350	520	470	260	16	26
	400	565	515	230	16	26		400	580	525	270	16	30
	450	615	585	250	20	26		450	640	585	270	20	30
	500	670	620	260	20	26		500	715	650	280	20	33
	600	780	725	260	20	30		600	840	770	300	20	36
	700	895	840	260	24	30		700	910	840	300	24	36
	800	1015	950	290	24	33		800	1015	950	320	24	39
	900	1115	1050	290	28	33		900	1125	1050	320	28	39
	1000	1230	1160	290	28	35		1000	1255	1170	340	28	42
	1200	1455	1380	320	32	39		1200	1485	1390	360	32	48
	1400	1675	1590	360	36	42		1400	1685	1590	415	36	48
	1600	1915	1820	390	40	48		1600	1930	1820	445	40	56
	1800	2115	2020	400	44	48		1800	2130	2020	450	44	56
	2000	2325	2230	410	48	48		2000	2345	2230	460	48	62

We can send specification for larger sizes than 2000mm as per request.

Flexible Joint Connector

Features:

Special advantage of this joint is providing the proper & easy possibility of the axis and angulations of the pipe during the installation and operation.



Material Specification	
Flange Socket	ST37-2 / Ductile Iron
Flange Spigot	ST37-2 / Ductile Iron
Middle Ring	ST37-2 / Ductile Iron
Seal	EPDM or NBR
Rods & Nuts	Galvanized / Stainless Steel

■ All kind of Carbon steel, Stainless Steel & Alloy Steel is available on request

Coating:

All parts are coated with electrostatic epoxy powder with minimum thickness 250 Micron and certified by International Organization for Potable Water.

Flange Drilling as per ISO7005-1 (EN 1092 – 1 , DIN 2501)

Articulated Pipe Connector Rigid and Rigid												
DN	PN 10						PN 16					
	D	K	d2	No.of holes	II	t	D	K	d2	No.of holes	II	t
200	340	295	22	8	140	70	340	295	23	12	140	70
250	395	350	22	12	180	90	405	355	27	12	180	90
300	445	400	22	12	180	90	460	410	27	12	180	90
350	505	460	22	16	180	90	520	470	27	16	180	90
400	565	515	26	16	180	90	580	525	30	16	180	90
450	615	565	26	20	180	90	640	585	30	20	180	90
500	670	620	26	20	180	90	715	650	33	20	180	90
600	780	725	30	20	200	110	840	770	36	20	200	110
700	895	840	30	24	200	110	910	840	36	24	200	110
800	1015	950	33	24	200	110	1025	950	39	24	200	110
900	1115	1050	33	28	200	110	1125	1050	39	28	200	110
1000	1230	1160	36	28	200	110	1255	1170	42	28	200	110
1200	1455	1380	39	32	250	140	1485	1390	48	32	250	140
1400	1675	1590	42	36	250	140	1685	1590	48	36	250	140
1600	1915	1820	48	40	250	140	1930	1820	56	40	250	140

We can send specification for larger sizes than 1600mm and pressures over 16 bars as per request.



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