

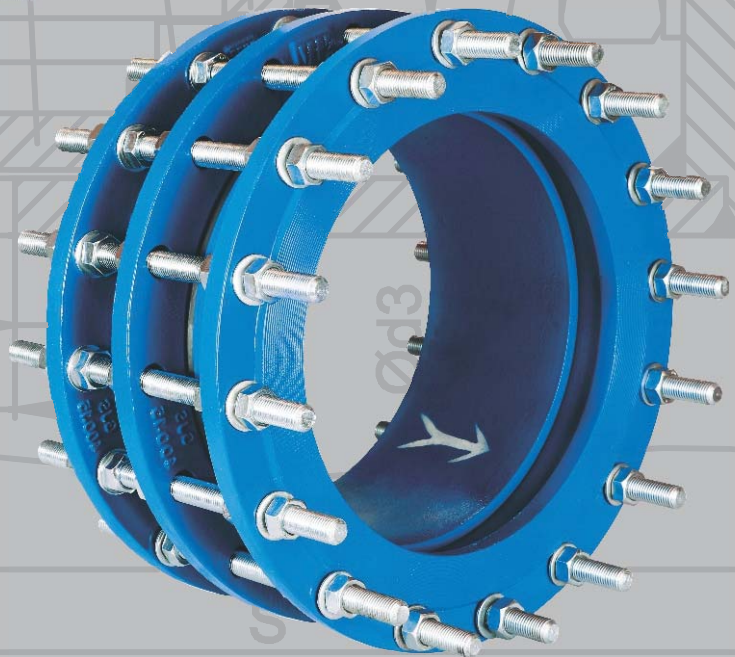
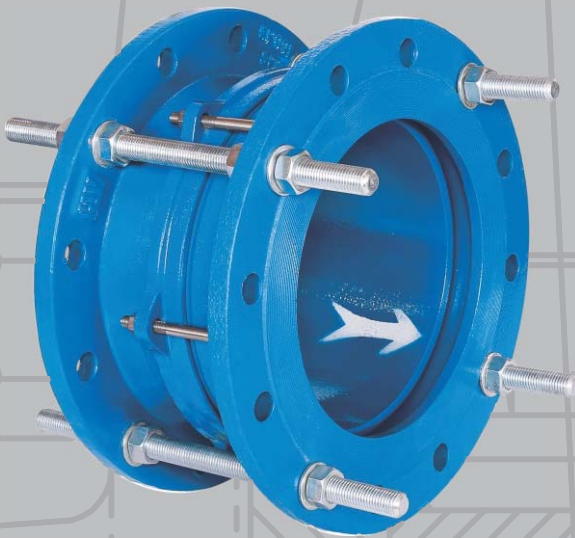


®

MIRAB CO.

Manufacturer of Industrial Valves
and Relevant Equipment

Dismantling Joints



Dismantling Joints-Type F1

Size: DN 50 - DN 3000 mm

Pressure rating: PN 6 - PN 40 bar

Flanges according to DIN EN 1092 (DIN 2501)

Features:

By using these joints, valves can be easily installed, removed/dismantled from the pipeline. By turning the bolts the length of the dismantling Joints can be reduced & create 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 adjustable bolts and therefore fastening the valve tightly to the pipe flanges.

Coating:

All parts are coated with electrostatic epoxy powder.

Range of application:

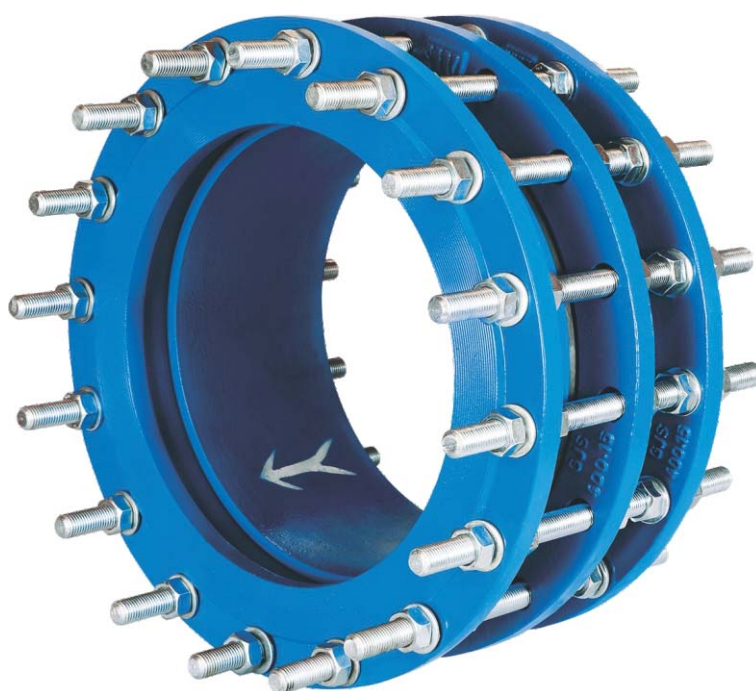
Media with maximum temperature of 120°C (for other temperatures as per request).

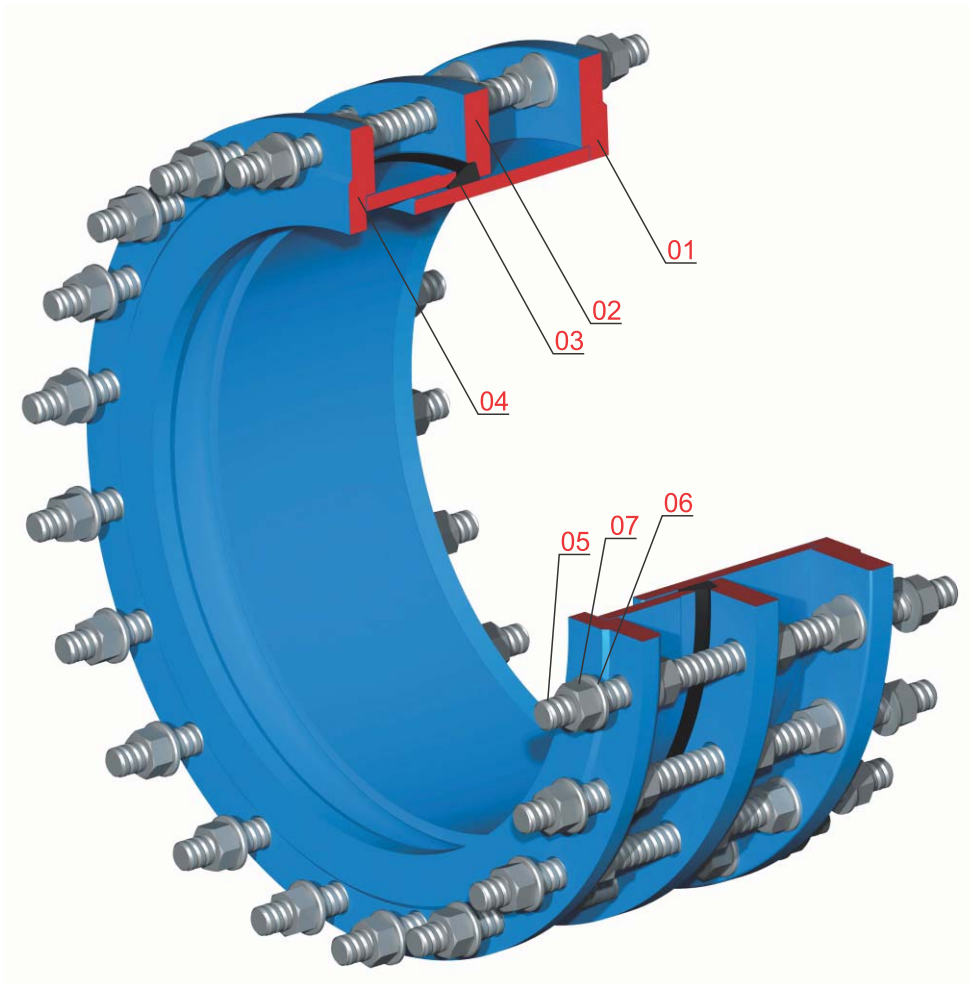
Advantages:

- Reliable design
- Low space requirement
- Compensates pipe length error
- Discharges radial and axial forces to the valve
- Flanges & body can be manufactured in ductile cast iron for sizes from DN50 up to DN1200 & PN 10,16 too.

Special order:

Flanges are available in other standards such as ASME/ ANSI

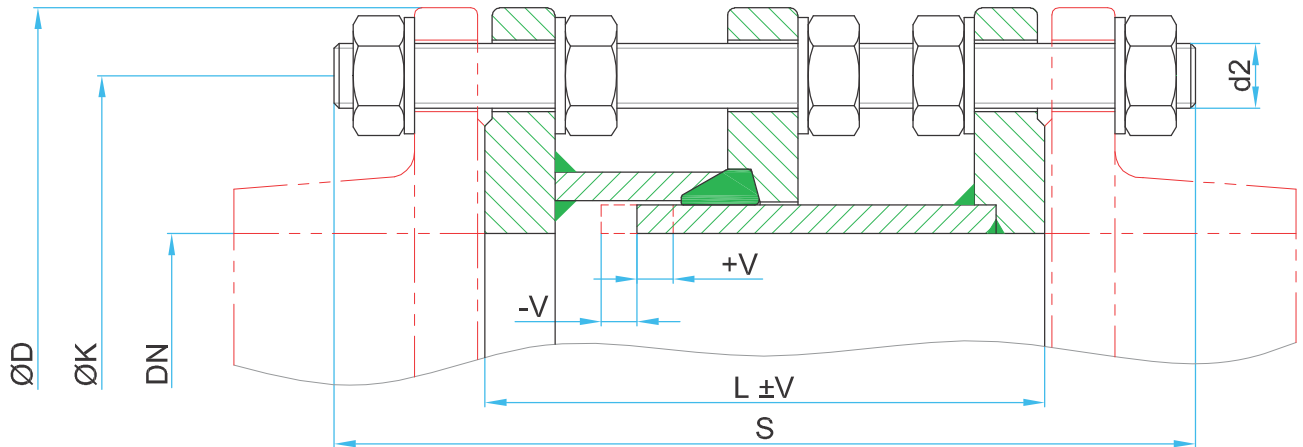


Part List (Type F1)


Part No.	Part Name	Part Material	1	2
1	Inner pipe & flange	St 37-2/ EN-GJS-400-15		
2	Middle flange	St 37-2/ EN-GJS-400-15		
3	Seal	EPDM (NBR on Request)	●	●
4	Outer pipe & flange	St 37-2/ EN-GJS-400-15		
5	Stud	DIN ISO 898-1 Property Class 8.8, Zinc Plated	●	
6	Washer	DIN ISO 898-2 Property Class 8, Zinc Plated	●	
7	Nut	DIN ISO 898-2 Property Class 8, Zinc Plated	●	

1-Recommended spare parts

2-Parts subjected to wear

Dimensions and weight (Type F1)


	DN mm	ØD mm	ØK mm	d2 mm	n	L mm	S mm	V mm	Wgt. Kg
PN 10	50	165	125	M16	4	180	280	±25	10
	65	185	145	M16	4	180	280	±25	12
	80	200	160	M16	8	200	310	±25	16
	100	220	180	M16	8	200	310	±25	18
	125	250	210	M16	8	200	310	±25	22
	150	285	240	M20	8	200	320	±25	29
	200	340	295	M20	8	220	350	±25	44
	250	400	350	M20	12	220	360	±25	55
	300	455	400	M20	12	220	360	±25	70
	350	505	460	M20	16	230	360	±25	84
	400	565	515	M24	16	230	390	±25	105
	450	615	565	M24	20	250	400	±25	126
	500	670	620	M24	20	260	410	±25	143
	600	780	725	M27	20	260	420	±25	196
	700	895	840	M27	24	260	420	±25	245
	800	1015	950	M30	24	290	460	±25	340
	900	1115	1050	M30	28	290	470	±25	390
	1000	1230	1160	M33	28	290	480	±25	530
	1200	1455	1380	M36	32	320	535	±25	833
	1400	1675	1590	M39	36	360	590	±25	942
1600	1915	1820	M45	40	390	600	±25	1390	
1800	2115	2020	M45	44	400	650	±25	1649	
2000	2325	2230	M45	48	410	680	±25	1950	

The weights are according to ductile cast iron density for sizes up to DN 1200 in PN 10, 16. For larger diameter or more nominal pressure ratings the weights are based on ST 37-2.

Dimensions and weight (Type F1)

	DN mm	ØD mm	ØK mm	d2 mm	n	L mm	S mm	V mm	Wgt. Kg
PN 16	50	165	125	M16	4	180	280	±25	10
	65	185	145	M16	4	180	280	±25	12
	80	200	160	M16	8	200	310	±25	16
	100	220	180	M16	8	200	310	±25	18
	125	250	210	M16	8	200	310	±25	22
	150	285	240	M20	8	200	320	±25	29
	200	340	295	M20	12	220	350	±25	43.5
	250	400	355	M24	12	230	370	±25	61
	300	455	410	M24	12	250	410	±25	78
	350	520	470	M24	16	260	410	±25	104.5
	400	580	525	M27	16	270	430	±25	135
	450	640	585	M27	20	270	430	±25	168
	500	715	650	M30	20	280	460	±25	220
	600	840	770	M33	20	300	480	±25	275
	700	910	840	M33	24	300	490	±25	332
	800	1025	950	M36	24	320	530	±25	430
	900	1125	1050	M36	28	320	530	±25	500
	1000	1255	1170	M39	28	340	570	±25	720
	1200	1485	1390	M45	32	360	620	±25	1150
	1400	1685	1590	M45	36	415	690	±25	1212
1600	1930	1820	M52	40	445	730	±25	1950	
1800	2130	2020	M52	44	450	750	±25	2185	
2000	2345	2230	M56	48	460	800	±25	2930	
PN 25	50	165	125	M16	4	200	310	±25	13
	65	185	145	M16	8	200	310	±25	18
	80	200	160	M16	8	210	330	±25	22
	100	235	190	M20	8	220	340	±25	32
	125	270	220	M24	8	220	370	±25	43
	150	300	250	M24	8	230	370	±25	52
	200	360	310	M24	12	230	390	±25	76
	250	425	370	M27	12	250	410	±25	103
	300	485	430	M27	16	250	410	±25	134
	350	555	490	M30	16	270	440	±25	196
	400	620	550	M33	16	280	480	±25	248
	450	670	600	M33	20	280	495	±25	281
	500	730	660	M33	20	300	510	±25	327
	600	845	770	M36	20	320	520	±25	436
	700	960	875	M39	24	340	530	±25	573
	800	1085	990	M45	24	360	600	±25	800
	900	1185	1090	M45	28	380	600	±25	888
	1000	1320	1210	M52	28	400	650	±25	1272
	1200	1530	1420	M52	32	450	760	±25	1870
	1400	1755	1640	M56	36	490	830	±25	2050
1600	1975	1860	M56	40	510	860	±25	2532	
1800	2195	2070	M64	44	520	880	±25	2965	
2000	2425	2300	M64	48	545	900	±25	3260	

The weights are according to ductile cast iron density for sizes up to DN 1200 in PN 10, 16. For larger diameter or more nominal pressure ratings the weights are based on ST 37-2. Larger sizes and pressures over 40 bars as per request.

Dismantling Joints-Type F2

Size: DN 50 - DN 3000 mm

Pressure rating: PN 6 - PN 40 bar

Flanges according to DIN EN 1092 (DIN 2501)

Features:

By using these joints, valves can be easily installed, removed/dismantled from the pipeline. By turning the bolts the length of the dismantling joints can be reduced & create 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 adjustable bolts and therefore fastening the valve tightly to the pipe flanges.

Coating:

All parts are coated with electrostatic epoxy powder.

Range of application:

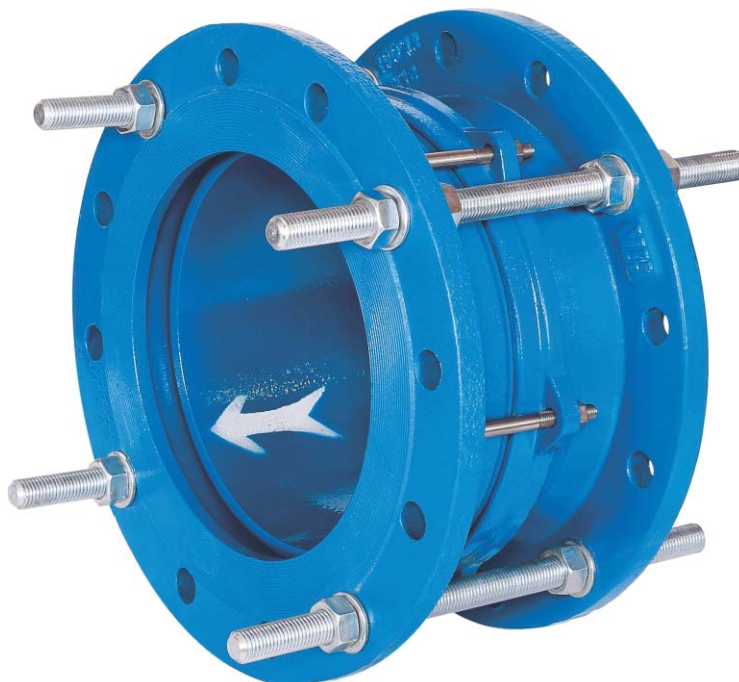
Media with maximum temperature at 120°C (for other temperatures as per request).

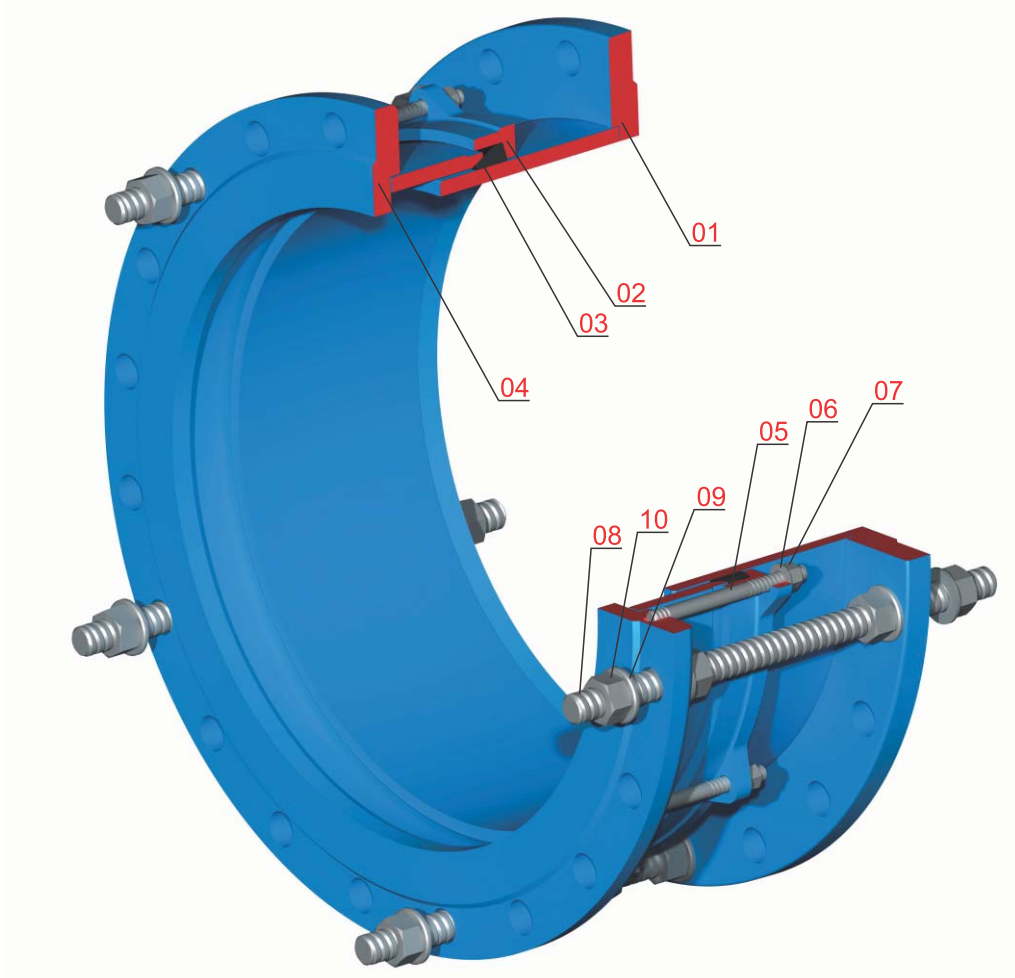
Advantages:

- Reliable design
- Low space requirement
- Compensates pipe length error
- Easier & faster install/ dismantle than type F1
- Discharges radial and axial forces to the valve

Special order:

Flanges are available in other standards such as ASME/ ANSI

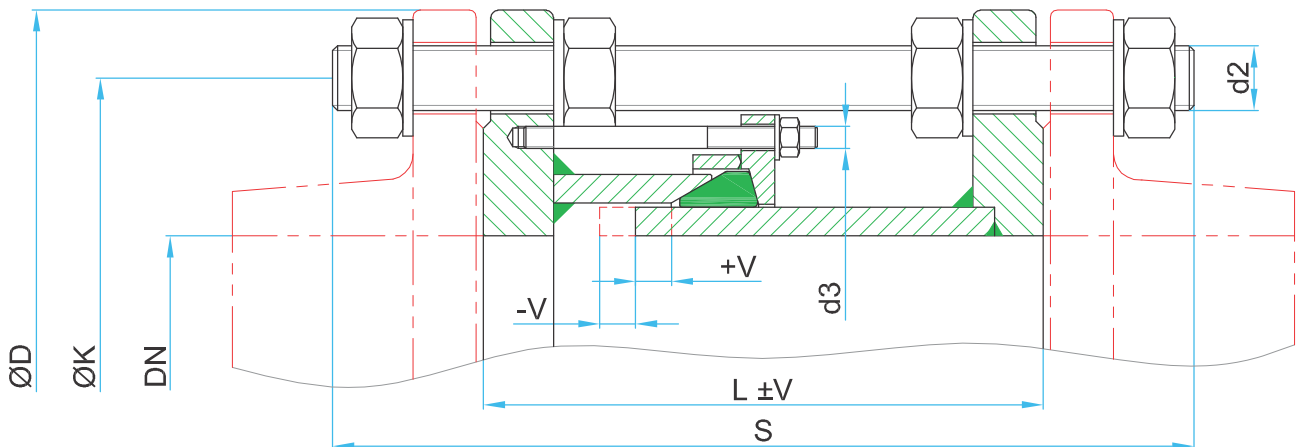


Part List (Type F2)


Part No.	Part Name	Part Material	1	2
1	Inner pipe & flange	St 37-2/ EN-GJS-400-15		
2	Middle flange	St 37-2/ EN-GJS-400-15		
3	Seal	EPDM (NBR on Request)	●	●
4	Outer pipe & flange	St 37-2/ EN-GJS-400-15		
5	Stud bolt	ISO 3506-1, Gr. A2, Property Class 70	●	
6	Washer	ISO 3506-2, Gr. A2, Property Class 70	●	
7	Nut	ISO 3506-2, Gr. A2, Property Class 70	●	
8	Stud bolt	DIN ISO 898-1 Property Class 8.8, Zinc Plated	●	
9	Washer	DIN ISO 898-2 Property Class 8, Zinc Plated	●	
10	Nut	DIN ISO 898-2 Property Class 8, Zinc Plated	●	

1-Recommended spare parts

2-Parts subjected to wear

Dimensions and weight (Type F2)


	DN mm	ØD mm	ØK mm	n x Ød2	S mm	n x Ød3	L mm	V mm
PN 10	50	165	125	4 x M16	280	4 x M8	180	±25
	65	185	145	4 x M16	280	4 x M8	180	±25
	80	200	160	4 x M16	310	4 x M8	200	±25
	100	220	180	4 x M16	310	4 x M8	200	±25
	125	250	210	4 x M16	310	4 x M10	200	±25
	150	285	240	4 x M20	320	4 x M10	200	±25
	200	340	295	4 x M20	350	4 x M10	220	±25
	250	400	350	4 x M20	360	6 x M10	220	±25
	300	455	400	4 x M20	360	6 x M10	220	±25
	350	505	460	4 x M20	360	8 x M12	230	±25
	400	565	515	4 x M24	390	8 x M12	230	±25
	450	615	565	5 x M24	400	10 x M12	250	±25
	500	670	620	5 x M24	410	10 x M12	260	±25
	600	780	725	5 x M27	420	10 x M12	260	±25
	700	895	840	6 x M27	420	12 x M12	260	±25
	800	1015	950	6 x M30	460	12 x M12	290	±25
	900	1115	1050	7 x M30	470	14 x M16	290	±25
	1000	1230	1160	7 x M33	480	14 x M16	290	±25
	1200	1455	1380	8 x M36	535	16 x M16	320	±25
	1400	1675	1590	9 x M39	590	18 x M16	360	±25
1600	1915	1820	10 x M45	600	20 x M16	390	±25	
1800	2115	2020	11 x M45	650	22 x M16	400	±25	
2000	2325	2230	12 x M45	680	24 x M16	410	±25	

Dimensions and weight (Type F2)

	DN mm	ØD mm	ØK mm	n x Ød2	S mm	n x Ød3	L mm	V mm
PN 16	50	165	125	4 x M16	280	4 x M8	180	±25
	65	185	145	4 x M16	280	4 x M8	180	±25
	80	200	160	4 x M16	310	4 x M8	200	±25
	100	220	180	4 x M16	310	4 x M8	200	±25
	125	250	210	4 x M16	310	4 x M10	200	±25
	150	285	240	4 x M20	320	4 x M10	200	±25
	200	340	295	4 x M20	350	6 x M10	220	±25
	250	400	355	4 x M24	370	6 x M10	230	±25
	300	450	410	4 x M24	410	6 x M10	250	±25
	350	520	470	4 x M24	410	8 x M12	260	±25
	400	580	525	4 x M27	430	8 x M12	270	±25
	450	640	585	5 x M27	430	10 x M12	270	±25
	500	715	650	5 x M30	460	10 x M12	280	±25
	600	840	770	5 x M33	480	10 x M12	300	±25
	700	910	840	6 x M33	480	12 x M12	300	±25
	800	1025	950	6 x M36	520	12 x M12	320	±25
	900	1125	1050	7 x M36	520	14 x M16	320	±25
	1000	1255	1170	7 x M39	570	14 x M16	340	±25
	1200	1485	1390	8 x M45	620	16 x M16	360	±25
	1400	1685	1590	9 x M45	690	18 x M16	415	±25
1600	1930	1820	10 x M52	730	20 x M16	445	±25	
1800	2130	2020	11 x M52	750	22 x M16	450	±25	
2000	2345	2230	12 x M56	800	24 x M16	460	±25	
PN 25	50	165	125	4 x M16	310	4 x M8	200	±25
	65	185	145	4 x M16	310	4 x M8	200	±25
	80	200	160	4 x M16	330	4 x M8	210	±25
	100	235	190	4 x M20	340	4 x M8	220	±25
	125	270	220	4 x M24	370	4 x M10	220	±25
	150	300	250	4 x M24	370	4 x M10	230	±25
	200	360	310	4 x M24	390	6 x M10	230	±25
	250	425	370	4 x M27	410	6 x M10	250	±25
	300	485	430	4 x M27	410	8 x M10	250	±25
	350	555	490	4 x M30	440	8 x M12	270	±25
	400	620	550	4 x M33	480	8 x M12	280	±25
	450	670	600	5 x M33	495	10 x M12	280	±25
	500	730	660	5 x M33	510	10 x M12	300	±25
	600	845	770	5 x M36	520	10 x M12	320	±25
	700	960	875	6 x M39	530	12 x M12	340	±25
	800	1085	990	6 x M45	600	12 x M12	360	±25
	900	1185	1090	7 x M45	600	14 x M19	380	±25
	1000	1320	1210	7 x M52	650	14 x M19	400	±25
	1200	1530	1420	8 x M52	760	16 x M19	450	±25
	1400	1755	1640	9 x M56	830	18 x M19	490	±25
1600	1975	1860	10 x M56	860	20 x M19	510	±25	
1800	2195	2070	11 x M64	880	22 x M19	520	±25	
2000	2425	2300	12 x M64	900	24 x M19	545	±25	

larger sizes and pressures over 40 bars as per request.

MIRAB Co' PRODUCTS

Butterfly Valves Family: Double Flanged Type, Butt-weld End, Wafer Type, Lug Type, Hydraulic Actuated, Pneumatic Actuated.

Gate Valves Family: Soft-Sealing Gate Valve, Metal Seat Gate Valve, Knife Gate Valve, Sluice Gate Valve.

Non Return Valves Family: Tilting Disc with Counter Weight, Tilting Disk with Counter Weight and Hydraulic Damper, Swing Check Valve, Silent Check Valve, Foot Valve, Nozzle Check Valve, Wafer Pattern Check Valve, Flap Valve.

Air Vent Family: Single Chamber - Double Orifices , Double Chambers - Double Orifices, Sewage Air Valves, Large - Orifice Air Valve.

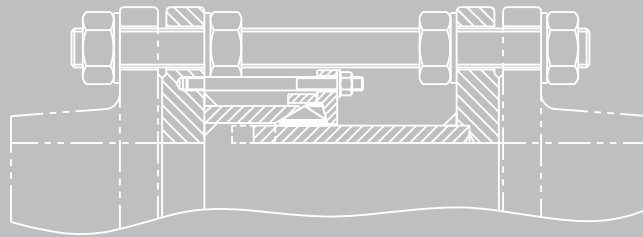
Control Valves Family: Automatic Control Valves, Needle Valve, Globe Valve, Fixed Cone Free Discharge Valve, Hollow Jet Valve, Sleeve Valve.

Hydrant Valves Family: Standing Type, Pit Type, Wet Barrel Fire Fighting Valve, Post Indicator Valve.

Strainers Family: Y Type, T Type, One Side Flanged Type.

Fittings Family: Dismantling Joint F1&F2, Pipe Coupling, Flange.

Actuators: Electrical, Hydraulic, Pneumatic, Portable Electrical.



MIRAB CO.

Head office: #9, 14th Alley,
N. Gol Afshan St., Dadman Blvd.,
Shahrak-e-Qods,
Tehran, 14697-85171, Iran
Tel: +98 (0)21 88372220
Fax: +98 (0)21 88577508

Plant #1: 28th St.,
Km 10 of Karaj Special Rd.,
Tehran, 13897-15851,
Iran
Tel: +98 (0)21 44545650
Fax: +98 (0)21 44545658

Plant #2: Sarvestan Blvd.,
Shams-Abad Industrial zone,
Km 40 of Tehran-Qom Highway,
Tehran, 18341-86581,
Iran
Tel: +98 (0)21 44545656

P.O.Box: 18335-365

info@mirab-valves.com