

MV-710

GEARBOX

Production Standards

Size Range	DN40 - DN400
Pressure Range	PN10 - PN16
Design	EN ISO 5211
Marking	EN ISO 5211
Tests	EN ISO 5211
Coating	Electrostatic Powder Epoxy
Temperature	-20 °C to +80 °C



Product Description

MV-710 Gearbox has been designed for decreasing the torque needed to rotate quarter turn valves. Manual gearbox optimised to deliver reliability and consistent performance. With their simple and strong body makes them grate choice for quarter turn valve applications.

Application Areas

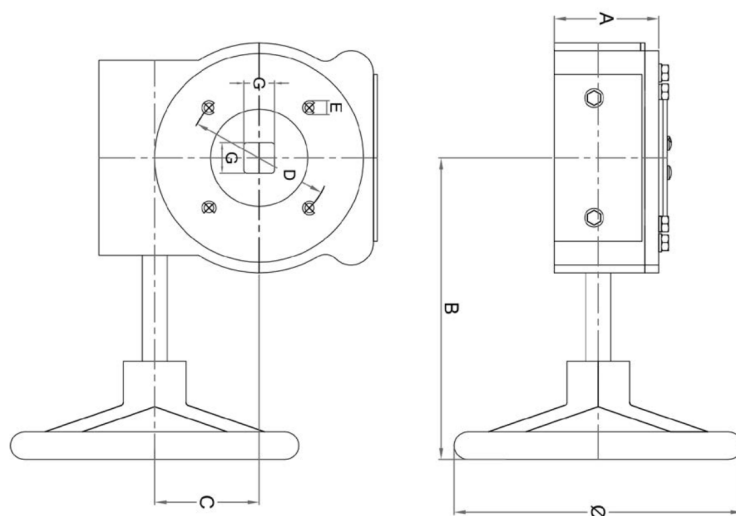
- Lug & wafer type butterfly valves
- Double eccentric butterfly valve
- Concentric butterfly valves
- Ball valves

Product Features

- Manual input
- Cast iron housing and cover
- Aluminium quadrant
- Opening and closing of the valve by single operator
- Protected steel input shaft and fasteners
- Manual actuation is usually drove by handwheels. Valves whose access location makes difficult to operate on them can be drove by chain wheels.



Technical Data



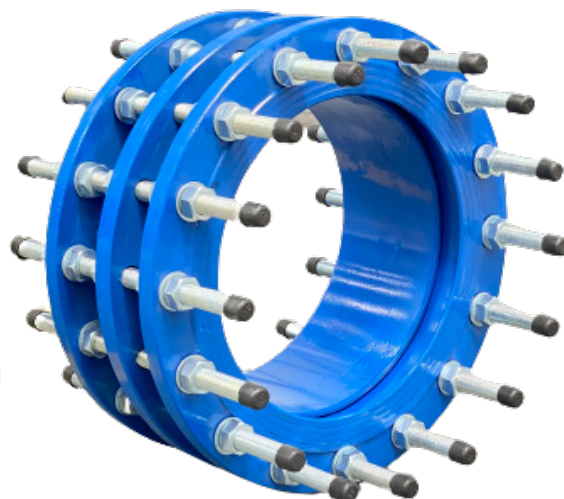
DN	Ø	A	B	C	Flange Type	D	E	GxG
40	190	60	160	47	F07	70	M8	11x11
50	190	60	160	47	F07	70	M8	11x11
65	190	60	160	47	F07	70	M8	11x11
80	190	60	160	47	F07	70	M8	11x11
100	190	65	165	45	F07	70	M8	14x14
125	190	65	165	45	F07	70	M8	14x14
150	190	65	165	45	F07	70	M8	17x17
200	295	70	235	67	F10	102	M10	17x17
250	295	70	235	67	F10	102	M10	22x22
300	295	90	230	70	F10	102	M10	22x22
350	295	90	230	70	F12	125	M12	22x22
400	390	110	240	120	F14	140	M16	27x27

MV-720

DISMANTLING JOINTS

Production Standards

Size Range	DN50 - DN2200
Pressure Range	PN10 - PN16 - PN25
Connection	EN 1092-2 ISO 7005 Flanged
Face to face	EN 558 Series 14 / DIN 3202 F4
Marking	EN 19
Tests	EN 12266-1
Coating	Electrostatic/ThermoPlastic Powder Epoxy
Temperature	+110 °C



720

Product Description

Dismantling joints play an important role in the design and layout of pipelines and valves. During the installation and removal of pipe sections and valves, dismantling joints are necessary aid. In the absence of dismantling joints, it is too hard to insert a valve exactly into a pipe section. They are essential for offering longitudinal adjustment. With this adjustment of IV-720 Dismantling joints, the valve can be fitted next to them. They reduce the operation time and ease the the installation of flanged butterfly valves, gate valves, control valves, check valves and flanged pipes and fittings.

Application Areas

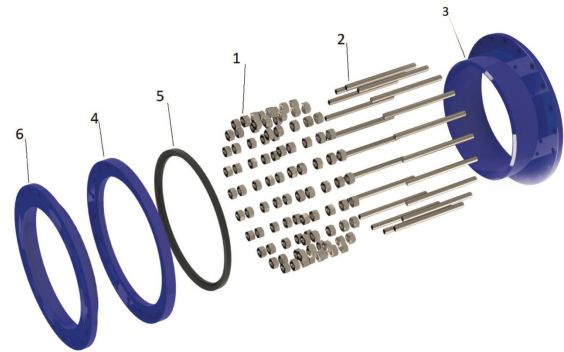
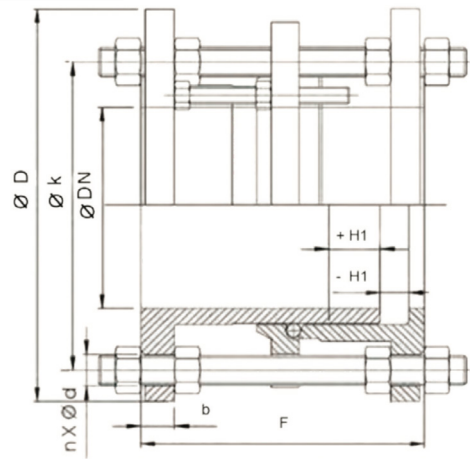
- Potable water applications
- Water treatment and distribution lines
- Industrial applications
- Shipbuilding and drilling facilities
- Pumping stations
- Oil and gas processes
- Seawater applications

Product Features

- Fully restrained and unrestrained configurations.
- EPDM sealing gaskets.
- Ductile iron GGG-40/50 body galvanized 8.8 bolts, nuts and washers.
- The ductile iron body has high resistance to the high tension stress which can occur at the pipelines.
- Easy installation and light weight.
- High-quality FBE coatings protect dismantling joints from long term corrosion.



Technical Data



No	Part	Material
1	Nut	8.8 Galvanized Steel
2	Stud Bolt	8.8 Galvanized Steel
3	Flanged Pipe - Long	Ductile Iron
4	Flange	St37 / GGG40 - GGG50
5	Gasket	EPDM
6	Flange Pipe - Short	Ductile Iron

MM	Dimensions							Weights	
	PN 10			PN 16			H	PN 10	PN 16
DN	D	k	d2xn	D	k	d2xn	H	Kg	Kg
50	165	125	19x4	165	125	19x4	40	8	8
65	185	145	19x4	185	145	19x4	40	9	9
80	200	160	19x8	200	160	19x8	40	16	16
100	220	180	19x8	220	180	19x8	40	21	21
125	250	210	19x8	250	210	19x8	40	26	26
150	285	240	23x8	285	240	23x8	40	35	35
200	340	295	23x8	340	295	23x12	40	46	50
250	400	350	23x12	405	355	28x12	40	70	80
300	455	400	23x12	460	410	28x12	40	90	99
350	505	460	23x16	520	470	28x16	40	105	140
400	565	515	28x16	580	525	31x16	40	135	165
450	615	565	28x20	640	585	31x20	40	145	190
500	670	620	28x20	715	650	34x20	40	155	210
600	780	725	31x20	840	770	37x20	40	215	300
700	895	840	31x24	910	840	37x24	40	265	340
800	1015	950	34x24	1025	950	41x24	40	310	400
900	1115	1050	34x28	1125	1050	41x28	40	370	450
1000	1230	1160	37x28	1255	1170	44x28	40	450	500
1100	1340	1270	37x32	1355	1270	44x32	40	600	700
1200	1455	1380	41x32	1485	1390	50x32	40	730	840
1300	1585	1490	42x32	1585	1490	50x32	40	810	950
1400	1675	1590	44x36	1685	1590	50x36	40	890	1020
1500	1785	1700	44x36	1820	1710	57x36	40	1050	1250
1600	1915	1820	50x40	1930	1820	57x40	40	1680	2100
1800	2115	2020	50x44	2130	2020	57x44	40	2100	2800
2000	2325	2230	50x48	2345	2230	62x48	40	2400	3050
2200	2550	2440	56x56	2555	2440	62x52	40	3000	3530



MV-730

FLANGE ADAPTOR

Production Standards

Size Range	DN40 - DN600
Pressure Range	PN10 - PN16
Gasget	EPDM or NBR
Standart Flanges	Raised Flange&Reduced Bore
Marking	EN 19
Tests	EN 12266-1
Coating	Fusion Bonded Epoxy
Temperature	+110 °C



730

Product Description

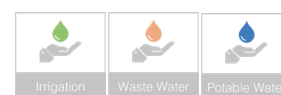
Flange adaptor is the most basic type of dismantling joint. On one side, it has a flange connection in accordance with the required flange standard, on the other an insertion socket for the pipe. A variety of standard pipe types can be connected.

Application Areas

- Water distribution lines
- Water transmission pipelines
- Waste water applications
- Pumping Stations

Product Features

- Ductile Iron body with galvanized 8.8 bolts, nuts and washers.
- No need to use extra gaskets for installation.
- Adaptor has an expansion and contraction of $\pm 2,5$ mm for the gasket, and offers an adjustability of ± 25 mm during installation as well an angular deflection of 3° .
- Zero stem leakage eliminates media loss and satisfies environmental regulations.
- Can be used with steel, PVC, ductile, concrete and GRP pipes.
- Reduced bore provides to connect smaller size valves to bigger size pipes.
- Fast and Easy installation due to the compact design.



Technical Data



Type	Internal Diameter (b)	Internal Height (h1)	Total Height (h2)	Adaptor Coupling Thickness (mm)	Flange	Flange Standart	Bolts & Nuts	Gasket	Coating
Dn80 88*133 Flange Adaptor	103	125	200	5mm St37	DN80 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn100 109*126 Flange Adaptor	128	125	200	5mm St37	DN100 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn125 138*153 Flange Adaptor	155	125	200	5mm St37	DN125 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn150 159*181 Flange Adaptor	183	125	200	5mm St37	DN150 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn200 215*230 Flange Adaptor	243	125	200	5mm St37	DN200 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn200 230*243 Flange Adaptor	243	125	200	5mm St37	DN200 PN10/PN16	EN 1092	M14/200 St37 4 sets	EPDM	Blue Epoxy
Dn250 280*300 Flange Adaptor	302	125	200	5mm St37	DN250 PN10/PN16	EN 1092	M14/200 St37 6 sets	EPDM	Blue Epoxy
Dn300 315*332 Flange Adaptor	334	125	200	5mm St37	DN300 PN10/PN16	EN 1092	M14/200 St37 6 sets	EPDM	Blue Epoxy
Dn300 340*357 Flange Adaptor	357	125	200	5mm St37	DN300 PN10/PN16	EN 1092	M14/200 St37 6 sets	EPDM	Blue Epoxy
Dn350 269*385 Flange Adaptor	391	125	200	5mm St37	DN350 PN10/PN16	EN 1092	M14/200 St37 6 sets	EPDM	Blue Epoxy
Dn350 394*411 Flange Adaptor	413	125	200	5mm St37	DN350 PN10/PN16	EN 1092	M14/200 St37 8 sets	EPDM	Blue Epoxy
Dn400 418*435 Flange Adaptor	437	125	200	5mm St37	DN400 PN10/PN16	EN 1092	M14/200 St37 8 sets	EPDM	Blue Epoxy
Dn400 449*472 Flange Adaptor	474	125	200	5mm St37	DN400 PN10/PN16	EN 1092	M14/200 St37 8 sets	EPDM	Blue Epoxy
Dn500 495*512 Flange Adaptor	514	125	200	5mm St37	DN500 PN10/PN16	EN 1092	M14/200 St37 10 sets	EPDM	Blue Epoxy
Dn500 521*538 Flange Adaptor	540	125	200	5mm St37	DN500 PN10/PN16	EN 1092	M14/200 St37 10 sets	EPDM	Blue Epoxy
Dn500 552*572 Flange Adaptor	574	125	200	5mm St37	DN500 PN10/PN16	EN 1092	M14/200 St37 10 sets	EPDM	Blue Epoxy
Dn600 601*618 Flange Adaptor	620	125	200	5mm St37	DN600 PN10/PN16	EN 1092	M14/200 St37 12 sets	EPDM	Blue Epoxy
Dn600 623*640 Flange Adaptor	640	125	200	5mm St37	DN600 PN10/PN16	EN 1092	M14/200 St37 12 sets	EPDM	Blue Epoxy
Dn600 575*700 Flange Adaptor	700	125	200	5mm St37	DN600 PN10/PN16	EN 1092	M14/200 St37 12 sets	EPDM	Blue Epoxy



MV-740

COUPLINGS

Production Standards

Size Range	DN40 - DN600
Pressure Range	PN10 - PN16
Gasget	EPDM or NBR
Standart Flanges	Raised Flange&Reduced Bore
Marking	EN 19
Tests	EN 12266-1
Coating	Fusion Bonded Epoxy
Temperature	+110 °C



740

Product Description

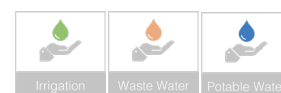
MV-740 Couplings allow needed repairs and modifications on the pipelines with different size and types. Couplings are useful for aligning the pipeline and absorbing vibrations and noises. Couplings allow an expansion and contraction of $\pm 2,5$ mm and an angular deflection of 3° for each gasket.

Application Areas

- Water distribution lines
- Water transmission pipelines
- Waste water applications
- Pumping Stations

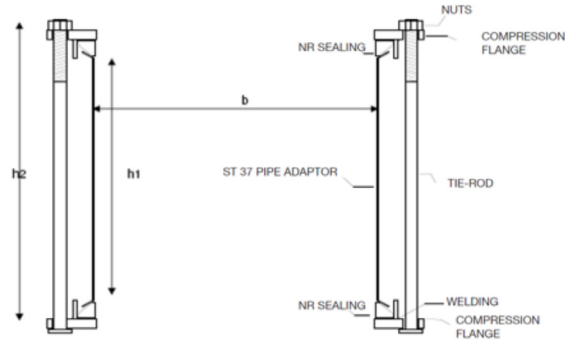
Product Features

- Compact Ductile iron body allows quick and easy installation
- Angular misaligned pipes can be connected easily.
- Can be used with carbon steel, PVC, ductile iron and politehylene pipelines.
- Reduced bore pipe couplings can connect different size pipes.
- Fusion bonded epoxy coated body protects from corrosion.
- Can be used at sewage and drainage pipelines with NBR gasket.
- Follower End Rings and middle ring guarantees zero leakage.
- Flange drilling according to EN 1092-2/ISO 7005-2





Technical Data



DN (mm)	Corresponding Size	Pipe Size Range	Internal Diameter (b) mm	Internal Height (h1) mm	Total Height (h2) mm	Coupling Thickness (mm)	Suppression Flange	Bolds and Nuts	Gasket	Pressure Range	Coating
100	110 mm	109 - 126	128	190	260	5 mm St37	GGG 40	M14/270 St37 4 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
150	160 mm	155 - 170	183	180	260	5 mm St37	GGG 40	M14/270 St37 4 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
200	225 mm	215 - 230	243	180	260	5 mm St37	GGG 40	M14/270 St37 4 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
250	250 mm	270 - 275	302	250	350	5 mm St37	GGG 40	M14/360 St37 6 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
300	300 mm	315 - 332	334	250	350	5 mm St37	GGG 40	M14/360 St37 6 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
350	350 mm	340 - 357	359	250	350	5 mm St37	GGG 40	M14/360 St37 6 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
400	400 mm	418 - 435	437	250	350	5 mm St37	GGG 40	M14/360 St37 8 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
500	500 mm	495 - 512	514	250	350	5 mm St37	GGG 40	M14/360 St37 10 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy
600	600 mm	623 - 640	640	250	350	5 mm St37	GGG 40	M14/360 St37 12 sets	EPDM / NBR	10 - 16 - 25	Blue Epoxy

MV-750

EXTENSION SPINDLE & SURFACE BOX SET

Product Description

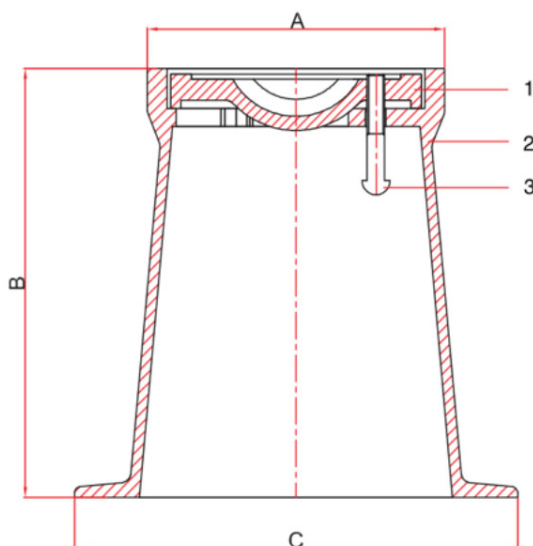
Extension Spindle&Surface box set is an useful kit for actuating the valves and hydrants installed underground from below ground.

Product Features Extension Spindle

- Extension Spindle manufactured from ST 37 steel
- Locking mechanism enables rigid position.
- Rigid and Telescopic types are available.
- Available in three different height range.
- PE ensures corrosion resistant
- Easy to actuate valve with Pin mechanism.
- Long service life.

Product Features Surface box

- Ductile/cast iron body is durable to heavy loads.
- Surface box protects spindle from dirt.
- Bitumen coated.
- Makes it easier to locate and operate valves.
- Compact Size & Light weight
- Can be locked mechanically against theft.



750

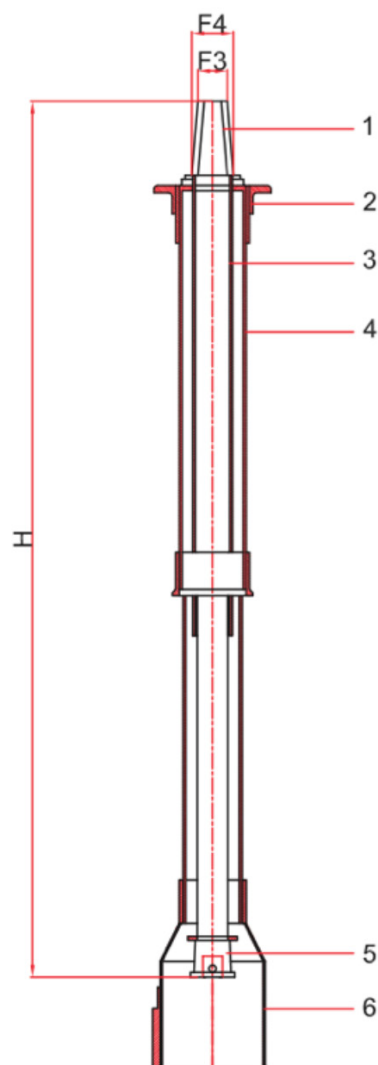


Application Areas

- Hot&Cold Water
- Fire Protection
- Steam
- Water Distribution
- House connection lines

No	Part	Material
1	Cover	GG25 Gray Iron / GGG40 Ductile Iron
2	Body	GG25 Gray Iron / GGG40 Ductile Iron
3	Pin	St37 Steel

No	Small (mm)	Large (mm)
A	182	170
B	242	178
C	259	206



No	Part	Material
1	T-Key Adaptor	Ductile Iron
2	Top Adaptor	PE
3	Stem	Galvanised Steel
4	Cover Tube	PE
5	Spindle Adaptor	Ductile Iron
6	Bottom Cover	PE

Type	Valve Size Range	Spindle Height (H)
Short	DN50 - 300	450 - 700 mm
Medium	DN50 - 300	650 - 1100 mm
High	DN50 - 300	1050 - 1750 mm

No	T-Key Adaptor Size
F3	23 ± 2 mm
F4	32 ± 2 mm



MV-760

FOOT VALVE

Production Standards

Size Range	DN40 - DN600
Pressure Range	PN10 - PN16
Connection	EN 1092-2 ISO 7005 Flanged
Marking	EN 19
Tests	EN 12266-1
Coating	Industrial Epoxy
Temperature	+130 °C



Product Description

MV-760 Foot Valves used to prevent back flow of the medium from the suction pipe of pumps when the pump is turned off. Strainer prevents debris from entering the piping system.

Application Areas

- Suction Lines
- Tanks & Reservoirs
- Sea water Applications

Product Features

- Spring Check Valve and Filter Combination design
- Spring check valve prevents back-flow and discharge of the pipeline
- Filter prevents residuals from entering the pipeline and harming the pump.
- Minimal head-loss due to %10 larger flow area than pipe size
- Long service life at low and high pressures.
- Optimize pumping efficiency.

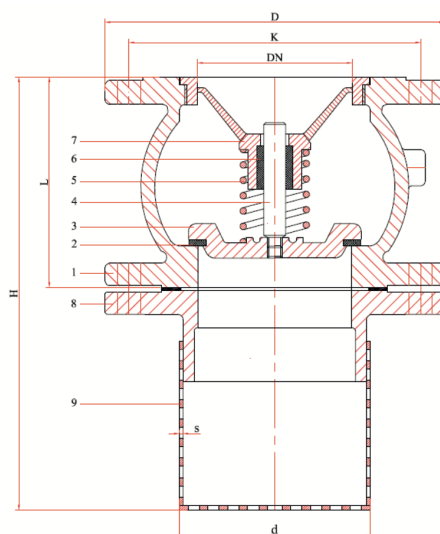
Accessories

- Extension spindle
- Surface Box
- T key





Technical Data



No	Part	Material
1	Body	EN-GCS - 400 Ductile Iron
2	Seat	1.4301 - AISI 429 Stainless Steel
3	Disc	EN-GCS - 400 Ductile Iron
4	Stem	1.4301 - AISI 429 Stainless Steel
5	Spring	1.4301 - AISI 429 Stainless Steel
6	Ring	PTFE
7	Guide	EN-GCS - 400 Ductile Iron
8	Flange	EN-GCS - 400 Ductile Iron
9	Basket	1.4301 - AISI 429 Stainless Steel

DN	40	50	65	80	100	125	150	200	250	300	350	400	500	600
L	85	100	120	140	170	200	230	288	354	395	472	560	670	710
H	185	200	245	280	320	400	450	510	600	650	735	860	1020	1400
d	71	81	101	111	140	161	190	235	295	354	410	454	554	654
S	1.5	1.5	1.5	1.5	1.5	1.5	2	2	2	2	2	2.5	2.5	2.5
Kv	47	99	159	222	396	619	890	1120	2010	2459	2843	4280	6914	9533
D-PN10	150	165	185	200	220	250	285	340	395	445	505	565	670	780
K-PN10	110	125	145	160	180	210	240	295	350	400	460	515	620	725
D-PN16	150	165	185	200	220	250	285	340	405	460	520	580	715	840
K-PN16	110	125	145	160	180	210	240	295	355	410	470	525	650	770
Kg	6.2	8.8	11	14	19.5	30.5	39	64.5	110	156	250	342	590	630