

PO5-R SERIES:
RUBBER LINED DIAPHRAGM VALVE

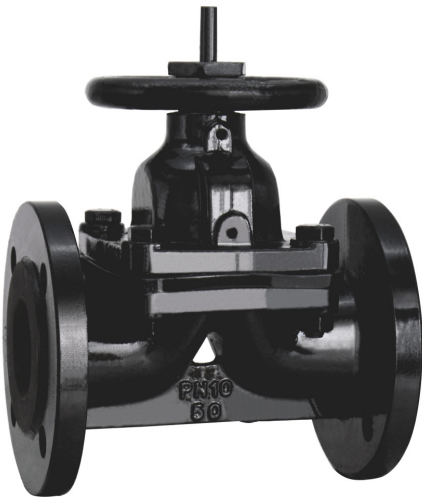
DESCRIPTION

Designed to excel in the most demanding environments, PO5-R SERIES Rubber Lined Diaphragm Valve embraces cutting-edge technology and innovative materials. Its robust construction boasts superior resistance to corrosion, abrasion, and aggressive substances, ensuring long-lasting durability and reliability.

Engineered with meticulous attention to detail, this valve features a specially designed rubber lining that provides a barrier against corrosive fluids, safeguarding your operations and maximizing efficiency. Our state-of-the-art manufacturing processes guarantee precise alignment and impeccable sealing, minimizing leakage and eliminating costly downtime.

Whether you operate in the chemical, pharmaceutical, or water treatment sectors, our Rubber Lined Diaphragm Valve is the ultimate choice for controlling and regulating the flow of fluids. Its superior performance, coupled with its unrivaled versatility, makes it an indispensable asset in critical applications.

Choose PO5-R SERIES Rubber Lined Diaphragm Valve and experience the pinnacle of engineering superiority, unrivaled quality, and steadfast reliability. Trust us to elevate your operations and drive success in your industry.



TECHNICAL PARAMETERS

- Nominal Diameter : DN15 – DN400
 - Structure Type: Weir Type
 - Pressure Rating : DN15 – DN100 PN1.0Mpa
DN125 – DN200 PN0.6Mpa
Over DN200 PN0.4Mpa
 - End Connection : RF Flange
 - Flange Standard: HG/T 20592、 GB/T9113、 EN 1092-1、 JB/T79.1、 ASME B16.5、 JIS B2220
- Main Material : Cast Iron、 Ductile Iron、 Cast Steel、 Stainless Steel
 - Liner / Coating Material : Natural Rubber(NR)、 EPDM、 IIR
 - Diaphragm Material : Single Layer EPDM
Double Layers EPDM+F46
Double Layers EPDM+PFA
Double Layers EPDM+PTFE
 - Operation : Manual Handwheel、 Pneumatic Cylinder
 - Applicable Medium : Liquid、 Gas、 Oil、 Corrosive Medium

FACE-TO-FACE LENGTH

GB STANDARD FACE-TO-FACE LENGTH DIAPHRAGM VALVE:
STANDARD : GB12221

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	125	135	145	160	180	210	250	300	350	400	460	570	680	790	900	1000

BS STANDARD FACE-TO-FACE LENGTH DIAPHRAGM VALVE:
STANDARD : BS5156 / ISO5752 / EN558

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
L	108	117	127	146	159	190	216	254	305	356	406	521	635	749	787	914

FLOW CHARACTERISTIC CURVE AND CV/KV VALUE OF DIAPHRAGM VALVE

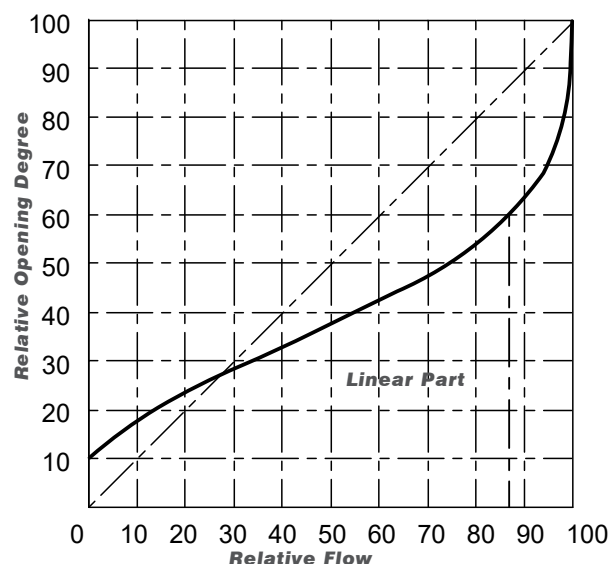
CV/KV VALUE TABLE FOR VALVE DN20-DN100

DN	20		25		32		40		50		65		80		100	
Open Degree	CV	KV	CV	KV	CV	KV	CV	KV	CV	KV	CV	KV	CV	KV	CV	KV
100%	6.50	5.59	11.19	9.60	16.70	14.31	31.00	26.57	59.00	50.60	83.00	71.10	148.00	126.90	270.00	231.00
90%	6.24	5.35	10.75	9.21	16.03	13.74	29.76	25.51	56.00	48.00	79.70	68.30	142.00	121.70	259.00	222.00
80%	5.98	5.13	10.30	8.83	15.35	13.17	28.51	24.43	54.00	46.29	76.40	65.40	136.00	116.60	248.00	213.00
70%	5.72	4.90	9.85	8.42	14.69	12.59	27.28	23.38	52.00	44.57	73.00	62.60	130.00	111.40	237.00	103.00
60%	4.54	4.67	9.40	8.06	14.02	12.02	26.03	22.32	50.00	42.86	69.70	59.80	124.00	106.30	226.00	194.00
50%	4.45	3.89	7.83	6.71	11.69	10.02	21.69	18.59	41.00	35.14	58.10	49.80	103.00	88.30	189.00	172.00
40%	3.63	3.11	6.27	5.37	9.35	8.01	17.35	14.87	33.00	28.28	16.50	39.80	82.90	71.00	151.00	129.00
30%	2.72	2.33	4.70	4.02	7.01	6.01	13.01	11.15	25.00	21.43	34.90	29.80	62.20	44.70	113.00	97.00
20%	1.18	1.55	3.13	2.68	4.67	4.00	8.67	7.43	16.00	13.71	23.20	19.90	41.40	35.50	75.60	65.00
10%	0.90	0.70	1.56	1.34	2.33	1.98	4.33	3.71	8.00	6.86	11.60	9.90	20.70	17.80	37.80	32.40
0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CV/KV VALUE TABLE FOR VALVE DN150-DN350

DN	150		200		250		300		350	
Open Degree	CV	KV	CV	KV	CV	KV	CV	KV	CV	KV
100%	505	433	1350	1156	2100	1800	3880	3326	3880	3326
90%	484	414	1295	1109	2015	1727	2724	3191	3724	3191
80%	464	398	1242	1064	1932	1656	3569	3059	3569	3059
70%	444	381	1188	1017	1848	1584	3414	2926	3414	2926
60%	424	363	1133	971	1763	1511	3259	2793	3259	2793
50%	353	303	945	809	1470	1260	2716	2327	2716	2327
40%	282	242	756	647	1176	1008	2172	1861	2172	1861
30%	212	182	566	485	881	756	1629	1396	1629	1396
20%	141	121	378	323	588	504	1086	931	1086	931
10%	71	61	189	161	294	252	543	465	543	465
0%	0	0	0	0	0	0	0	0	0	0

FLOW CHARACTERISTIC CURVE



ORDERING CODE

PO

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Actuator Type	
1	Manual
3	Pneumatic

Diaphragm Material	
2	EPDM
F	EPDM+F46
A	EPDM+PFA
P	EPDM+PTFE

Body Material	
0	Cast Iron
2	Ductile Cast Iron
3	Cast Steel
A	Stainless steel 304
B	Stainless steel 316

Lining Material	
N	NR
E	EPDM
R	IIR

End Connection Standard	
G	GB/JB/HG Standard PN10
A	ANSI Standard Class 150LBS
J	JIS Standard JIS10K
E	EN/BS Standard PN10
O	Others

— R —

Valve Type	
M	Manual Diaphragm Valve
P	Pneumatic Diaphragm Valve

Face-to-Face Length Standard	
G	GB Standard Length
B	BS Standard Length

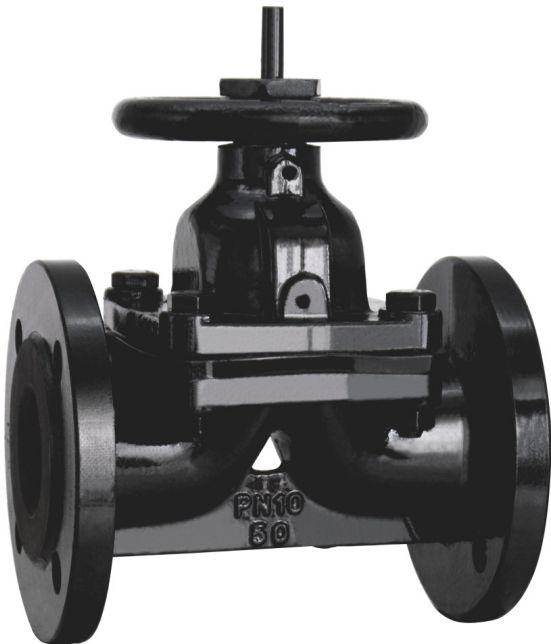
PO5-R SERIES:
RUBBER LINED DIAPHRAGM VALVE

PO5-RM Series:
MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

DESCRIPTION

PO5-RM Manual Operated Rubber Lined Diaphragm Valve, a testament to POV Valve unwavering commitment to engineering excellence and industry-leading expertise in the valve manufacturing arena. With utmost precision and unparalleled craftsmanship, this valve exemplifies our dedication to delivering unrivaled quality control, reliability, and performance.

1. **Superior Corrosion Resistance:** Manual Operated Rubber Lined Diaphragm Valve is engineered with a high-quality rubber lining that provides exceptional resistance to corrosive substances, ensuring long-lasting performance and protection against chemical degradation.
2. **Precise Flow Control:** With its manual operation, Diaphragm Valve allows for precise flow control, enabling operators to easily adjust the valve position and regulate fluid flow rates with accuracy.
3. **Unparalleled Durability:** Built to withstand demanding operating conditions, Rubber Lined Diaphragm Valve is constructed using robust materials and advanced manufacturing techniques. This results in superior durability, making it highly resistant to wear, abrasion, ensuring extended service life.
4. **Reliable Sealing:** The diaphragm design of our valve ensures reliable sealing, minimizing the risk of leakage and preventing any potential fluid contamination. This feature enhances safety and guarantees efficient operations, even in critical applications.
5. **Versatile Applications:** Manual Operated Rubber Lined Diaphragm Valve is suitable for a wide range of industries and applications, including chemical processing, pharmaceutical production, water treatment, and more. Its versatility and adaptability make it a valuable asset in various fluid control.



STANDARDS

Design Standard	GB/T 12239 - 1989、 MSS-SP-88 - 1988 ISO 5752 - 1988、 BS 5156 - 1985
Inspection Standard	GB/T 12239 - 1989
Face-to-Face Standard	GB/T 12221 Series 7 BS-EN-558-2008 Series 7 ISO 5752 Series 7 BS 5156
Flange Standard	HG/T 20592、GB/T9113 EN 1092-1、JB/T79.1 ANSI B 16.5、JIS B2220

PERFORMANCE

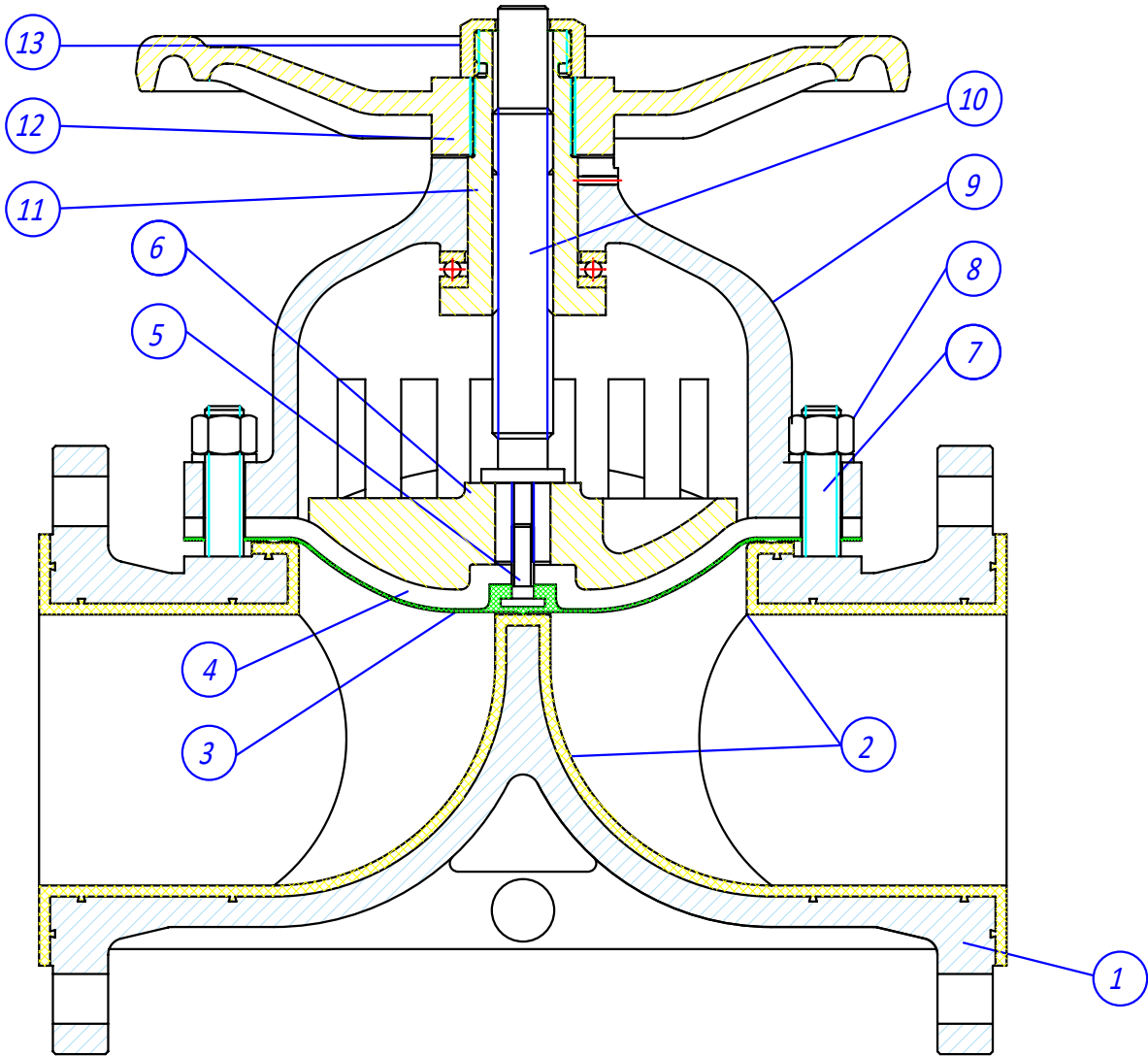
Valve Size	DN15-DN50	DN65-DN100	DN125-DN200	Over DN200
Nominal Pressure	1.0Mpa	1.0Mpa	0.6Mpa	0.4Mpa
Max Working Pressure	1.0Mpa	1.0Mpa	0.6Mpa	0.4Mpa
Shell Testing Pressure	1.5Mpa	1.5Mpa	0.9Mpa	0.6Mpa
Seal Testing Pressure (Hydraulic)	1.1Mpa	1.3Mpa	0.66Mpa	0.53Mpa
Seal Testing Pressure (Air)	0.5~ 0.6Mpa			
Applicable Medium	Water、Liquid、Gas、Oil			
Applicable Temperature	-10℃ ~100℃			

PO5-RM Series:

MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

PO5-RM

STRUCTURE

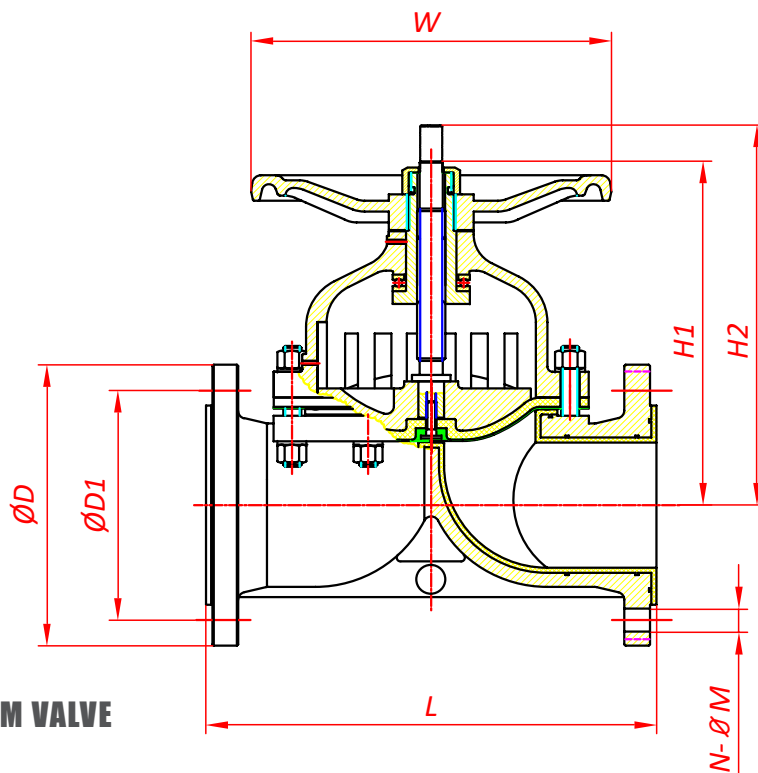
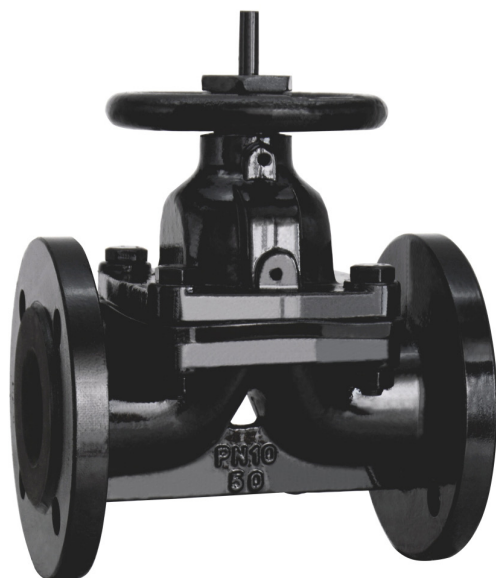


Part Number	Part Name	Material		
		Cast Iron	Ductile Cast Iron	Cast Steel
1	BODY	Cast Iron	Ductile Cast Iron	Cast Steel
2	LINER	NR / EPDM / IIR		
3	DIAPHRAGM	EPDM / F46 / FPA / PTFE		
4	DIAPHRAGM BACK	EPDM		
5	TRIM	A216 WCB		
6	TRIM	A216 WCB		
7	BOLT	1Cr18Ni9Ti		
8	NUT	1Cr18Ni9Ti		
9	BONNET	Cast Iron	Ductile Cast Iron	Cast Steel
10	STEM	2Cr13		
11	STEM NUT	ZCuAl10Fe3		
12	HANDWHEEL	HT200		
13	LOCK NUT	HT200		

PO5-RM Series: MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

PO5-RM-G : GB STANDARD MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



GB STANDARD FTF LENGTH DIAPHRAGM VALVE
GB/T 12221

DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH PN10 END CONNECTION

PN10 END CONNECTION

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	125	95	65	46	4-14	105	116	2	120	4.5
DN20	135	105	75	56	4-14	117	128	2	120	4.5
DN25	145	115	85	65	4-14	121	135	2	120	5
DN32	160	140	100	76	4-18	132	150	2	120	7
DN40	180	150	110	84	4-18	156	176	3	140	9
DN50	210	165	125	99	4-18	160	195	3	140	13
DN65	250	185	145	118	4-18	200	236	3	200	19
DN80	300	200	160	132	8-18	216	256	3	200	26
DN100	350	220	180	156	8-18	270	322	3	280	40
DN125	400	250	210	184	8-18	315	380	3	320	62
DN150	460	285	240	211	8-22	378	458	3	320	81
DN200	570	340	295	266	8-22	518	638	4	400	146
DN250	680	395	350	319	12-22	583	720	4	500	240
DN300	790	445	400	370	12-22	698	778	4	500	334
DN350	900	505	460	429	16-22	723	883	4	500	371
DN400	1000	565	515	480	16-26	868	1078	4	640	584

PO5-RM-G : GB STANDARD MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE**DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH CL150# END CONNECTION****ANSI CLASS150LBS END CONNECTION**

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	125	90	60.3	34.9	4-16	105	116	2	120	4.5
DN20	135	100	69.9	42.9	4-16	117	128	2	120	4.5
DN25	145	110	79.4	50.8	4-16	121	135	2	120	5
DN32	160	115	88.9	63.5	4-16	132	150	2	120	7
DN40	180	125	98.4	73	4-16	156	176	3	140	9
DN50	210	150	120.7	92.1	4-19	160	195	3	140	13
DN65	250	180	139.7	104.8	4-19	200	236	3	200	19
DN80	300	190	152.4	127	4-19	216	256	3	200	26
DN100	350	230	190.5	157.2	8-19	270	322	3	280	40
DN125	400	255	215.9	185.7	8-22	315	380	3	320	62
DN150	460	280	241.3	215.9	8-22	378	458	3	320	81
DN200	570	345	298.5	269.9	8-22	518	638	4	400	146
DN250	680	405	362	323.8	12-26	583	720	4	500	240
DN300	790	485	431.8	381	12-26	698	778	4	500	334
DN350	900	535	476.3	412.8	12-29	723	883	4	500	371
DN400	1000	595	539.8	469.9	16-29	868	1078	4	640	584

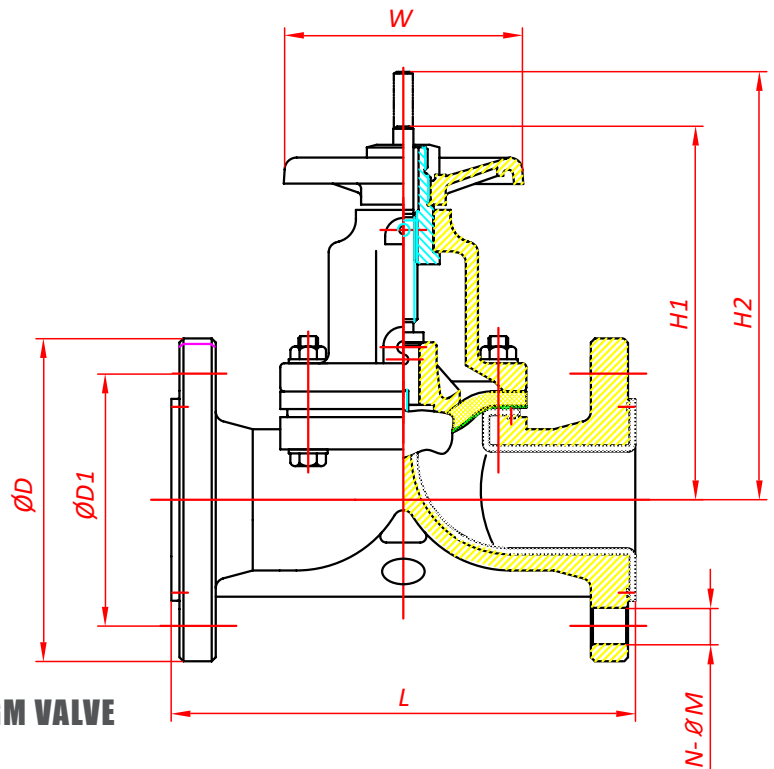
DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH JIS10K END CONNECTION**JIS 10K END CONNECTION**

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	125	95	70	51	4-12	105	116	2	120	4.5
DN20	135	100	75	56	4-14	117	128	2	120	4.5
DN25	145	125	90	67	4-14	121	135	2	120	5
DN32	160	135	100	76	4-16	132	150	2	120	7
DN40	180	140	105	81	4-16	156	176	3	140	9
DN50	210	155	120	96	4-16	160	195	3	140	13
DN65	250	175	140	116	4-18	200	236	3	200	19
DN80	300	185	150	126	8-18	216	256	3	200	26
DN100	350	210	175	151	8-18	270	322	3	280	40
DN125	400	250	210	182	8-20	315	380	3	320	62
DN150	460	280	240	212	8-22	378	458	3	320	81
DN200	570	330	290	262	12-22	518	638	4	400	146
DN250	680	400	355	324	12-24	583	720	4	500	240
DN300	790	445	400	368	16-24	698	778	4	500	334
DN350	900	490	445	413	16-26	723	883	4	500	371
DN400	1000	560	510	475	16-28	868	1078	4	640	584

PO5-RM Series: MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

PO5-RM-B : BS STANDARD MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



BS STANDARD FTF LENGTH DIAPHRAGM VALVE BS 5156

DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH PN10 END CONNECTION

PN10 END CONNECTION

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	108	95	65	46	4-14	90	99	2	66	2
DN20	117	105	75	56	4-14	93	103	2	66	3
DN25	127	115	85	65	4-14	100	112	2	66	4
DN32	146	140	100	76	4-18	127	144	2	96	6.5
DN40	159	150	110	84	4-18	136	156	3	96	7.5
DN50	190	165	125	99	4-18	151	177	3	118	10
DN65	216	185	145	118	4-18	183	213	3	165	16
DN80	254	200	160	132	8-18	198	273	3	230	23.5
DN100	305	220	180	156	8-18	266	320	3	280	34
DN125	356	250	210	184	8-18	319	386	3	280	44
DN150	406	285	240	211	8-22	380	453	3	368	68
DN200	521	340	295	266	8-22	506	626	4	400	142
DN250	635	395	350	319	12-22	598	734	4	500	229
DN300	749	445	400	370	12-22	698	778	4	560	321
DN350	787	505	460	429	16-22	723	883	4	560	360
DN400	914	565	515	480	16-26	868	1078	4	640	584

PO5-RM-B : BS STANDARD MANUAL OPERATED RUBBER LINED DIAPHRAGM VALVE**DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH CL150# END CONNECTION****ANSI CLASS150LBS END CONNECTION**

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	108	90	60.3	34.9	4-16	90	99	2	66	2
DN20	117	100	69.9	42.9	4-16	93	103	2	66	3
DN25	127	110	79.4	50.8	4-16	100	112	2	66	4
DN32	146	115	88.9	63.5	4-16	127	144	2	96	6.5
DN40	159	125	98.4	73	4-16	136	156	3	96	7.5
DN50	190	150	120.7	92.1	4-19	151	177	3	118	10
DN65	216	180	139.7	104.8	4-19	183	213	3	165	16
DN80	254	190	152.4	127	4-19	198	273	3	230	23.5
DN100	305	230	190.5	157.2	8-19	266	320	3	280	34
DN125	356	255	215.9	185.7	8-22	319	386	3	280	44
DN150	406	280	241.3	215.9	8-22	380	453	3	368	68
DN200	521	345	298.5	269.9	8-22	506	626	4	400	142
DN250	635	405	362	323.8	12-26	598	734	4	500	229
DN300	749	485	431.8	381	12-26	698	778	4	560	321
DN350	787	535	476.3	412.8	12-29	723	883	4	560	360
DN400	914	595	539.8	469.9	16-29	868	1078	4	640	584

DIMENSIONS OF OF MANUAL DIAPHRAGM VALVE WITH JIS10K END CONNECTION**JIS 10K END CONNECTION**

Size	L	D	D1	D2	N-M	H1 Full Close	H2 Full Open	f	W	Unit Weight KGs
DN15	108	95	70	51	4-12	90	99	2	66	2
DN20	117	100	75	56	4-14	93	103	2	66	3
DN25	127	125	90	67	4-14	100	112	2	66	4
DN32	146	135	100	76	4-16	127	144	2	96	6.5
DN40	159	140	105	81	4-16	136	156	3	96	7.5
DN50	190	155	120	96	4-16	151	177	3	118	10
DN65	216	175	140	116	4-18	183	213	3	165	16
DN80	254	185	150	126	8-18	198	273	3	230	23.5
DN100	305	210	175	151	8-18	266	320	3	280	34
DN125	356	250	210	182	8-20	319	386	3	280	44
DN150	406	280	240	212	8-22	380	453	3	368	68
DN200	521	330	290	262	12-22	506	626	4	400	142
DN250	635	400	355	324	12-24	598	734	4	500	229
DN300	749	445	400	368	16-24	698	778	4	560	321
DN350	787	490	445	413	16-26	723	883	4	560	360
DN400	914	560	510	475	16-28	868	1078	4	640	584

PO5-R SERIES: RUBBER LINED DIAPHRAGM VALVE

PO5-RP Series: PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DESCRIPTION

PO5-RP Series Pneumatic Operated Rubber Lined Diaphragm Valve stands as a testament to our unwavering commitment to innovation, quality, and customer satisfaction. Its superior design, durability, and versatility make it the perfect choice for demanding applications.

1. Reliable and Versatile Performance: Pneumatic operated rubber lined diaphragm valves offer reliable and versatile performance in various industries. With the ability to handle a wide range of fluids, including corrosive and abrasive substances, these valves are essential for applications where durability and dependability are paramount.

2. Excellent Sealing Capability: These valves provide excellent sealing capability, ensuring a tight shut-off and preventing leakage. The rubber lining on the diaphragm acts as a barrier, effectively sealing off the flow, even in high-pressure or high-temperature environments.

3. Easy Maintenance and Long Service Life: Pneumatic operated rubber lined diaphragm valves are designed for easy maintenance and extended service life. The simple construction and few moving parts make them easy to clean, inspect, and repair.

4. Precise Control: These valves offer precise control over the flow of fluids, thanks to their diaphragm design. By adjusting the air pressure, operators can achieve accurate flow modulation, making them suitable for applications that require precise control over the media being conveyed.

PO5-RP pneumatic operated rubber lined diaphragm valves as a reliable and efficient solution for industries seeking high-performance valves that can withstand demanding operating conditions while maintaining product quality and process control.



STANDARDS

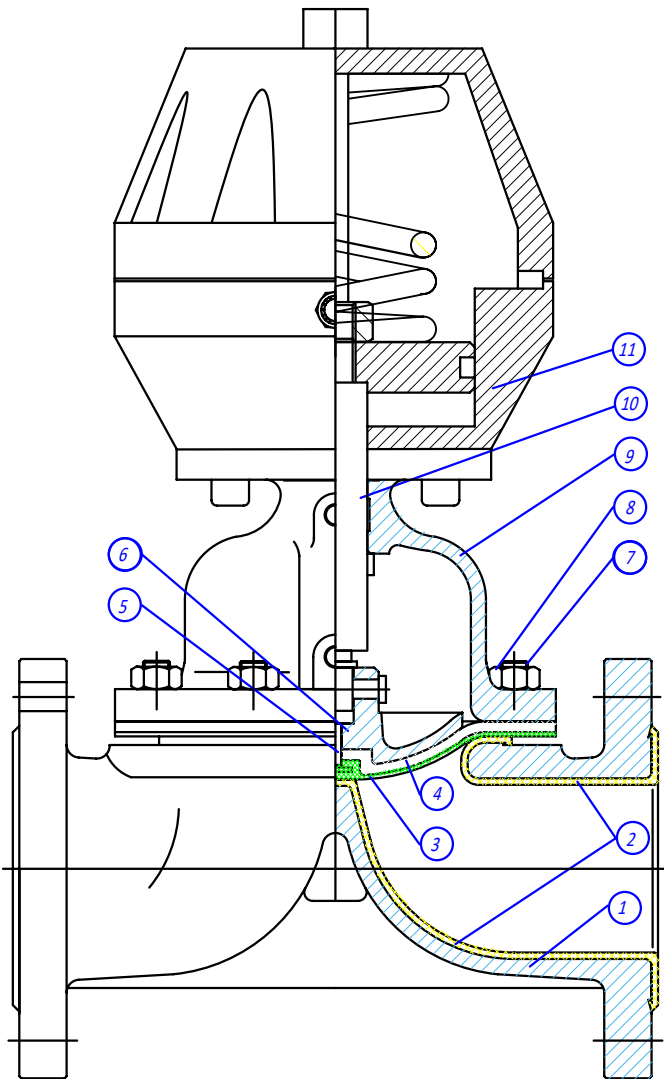
Design Standard	GB/T 12239 - 1989, MSS-SP-88 - 1988 ISO 5752 - 1988, BS 5156 - 1985
Inspection Standard	GB/T 12239 - 1989
Face-to-Face Standard	GB/T 12221 Series 7 BS-EN-558-2008 Series 7 ISO 5752 Series 7 BS 5156
Flange Standard	HG/T 20592、GB/T9113 EN 1092-1、JB/T79.1 ANSI B 16.5、JIS B2220

PERFORMANCE

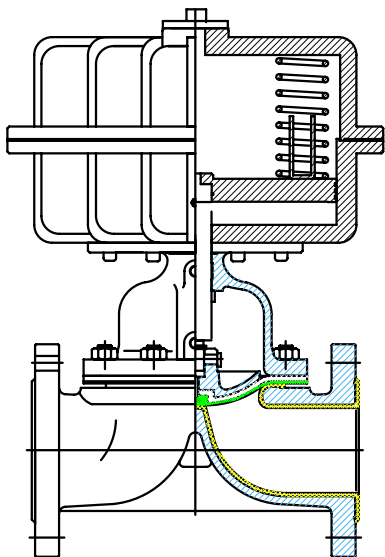
Valve Size	DN15-DN50	DN65-DN100	DN125-DN200	Over DN200
Nominal Pressure	1.0Mpa	1.0Mpa	0.6Mpa	0.4Mpa
Max Working Pressure	1.0Mpa	1.0Mpa	0.6Mpa	0.4Mpa
Shell Testing Pressure	1.5Mpa	1.5Mpa	0.9Mpa	0.6Mpa
Seal Testing Pressure (Hydraulic)	1.1Mpa	1.3Mpa	0.66Mpa	0.53Mpa
Seal Testing Pressure (Air)	0.5~ 0.6Mpa			
Applicable Medium	Water、Liquid、Gas、Oil			
Applicable Temperature	-10℃ ~100℃			

PO5-RP Series:
PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

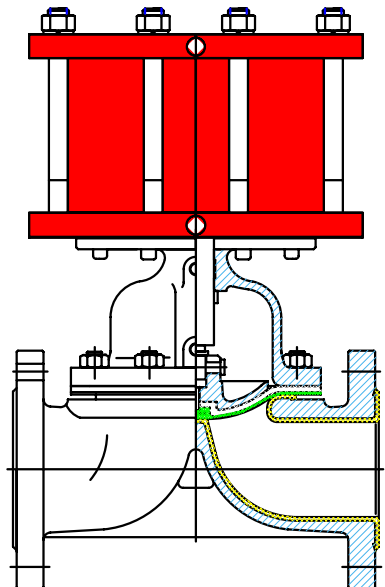
STRUCTURE



PNEUMATIC DIAPHRAGM VALVE DN15-DN125
WITH ALU ALLOY MATERIAL ACTUATOR



PNEUMATIC DIAPHRAGM VALVE DN150-DN200
WITH ALU ALLOY MATERIAL ACTUATOR



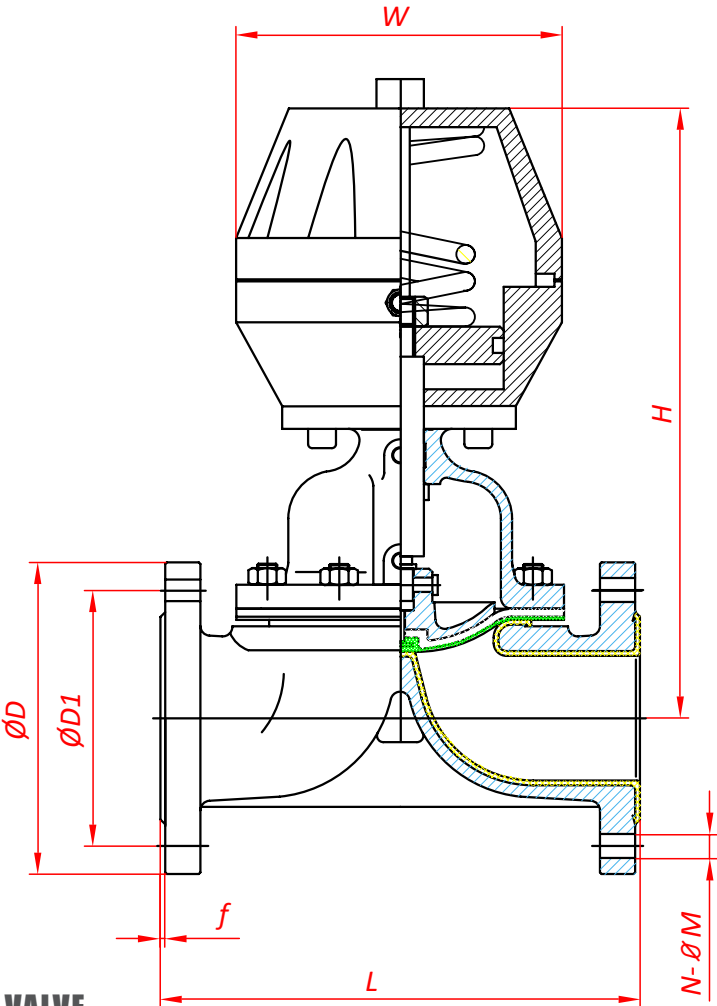
PNEUMATIC DIAPHRAGM VALVE DN50-DN200
WITH CAST STEEL MATERIAL ACTUATOR

Part Number	Part Name	Material		
		Cast Iron	Ductile Cast Iron	Cast Steel
1	BODY	Cast Iron	Ductile Cast Iron	Cast Steel
2	LINER	NR / EPDM / IIR		
3	DIAPHRAGM	EPDM / F46 / FPA / PTFE		
4	DIAPHRAGM BACK	EPDM		
5	TRIM	A216 WCB		
6	TRIM	A216 WCB		
7	BOLT	1Cr18Ni9Ti		
8	NUT	1Cr18Ni9Ti		
9	BONNET	Cast Iron	Ductile Cast Iron	Cast Steel
10	STEM	2Cr13		
11	ACTUATOR	Aluminum Alloy / Cast Iron / Cast Steel		

PO5-RP Series:
PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

PO5-RP-G : GB STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



GB STANDARD FTF LENGTH DIAPHRAGM VALVE
GB/T 12221

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH PN10 END CONNECTION

PN10 END CONNECTION										
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	125	95	65	45	4- 14	215	2	110	600 kPa	5
DN20	135	105	75	58	4- 14	220	2	110	600 kPa	5.2
DN25	145	115	85	68	4- 14	225	2	110	600 kPa	5.4
DN32	160	140	100	78	4- 18	240	2	140	600 kPa	7
DN40	180	150	110	88	4- 18	285	3	170	600 kPa	14
DN50	210	165	125	102	4- 18	307	3	170	600 kPa	16
DN65	250	185	145	122	4- 18	327	3	200	600 kPa	22
DN80	300	200	160	138	8- 18	390	3	230	600 kPa	31
DN100	350	220	180	158	8- 18	470	3	230	600 kPa	50
DN125	400	250	210	188	8- 18	637	3	310	600 kPa	65

PO5-RP-G : GB STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH CL150# END CONNECTION

ANSI CLASS150LBS END CONNECTION										
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	125	90	60.3	34.9	4-16	215	2	110	600 kPa	5
DN20	135	100	69.9	42.9	4-16	220	2	110	600 kPa	5.2
DN25	145	110	79.4	50.8	4-16	225	2	110	600 kPa	5.4
DN32	160	115	88.9	63.5	4-16	240	2	140	600 kPa	7
DN40	180	125	98.4	73	4-16	285	3	170	600 kPa	14
DN50	210	150	120.7	92.1	4-19	307	3	170	600 kPa	16
DN65	250	180	139.7	104.8	4-19	327	3	200	600 kPa	22
DN80	300	190	152.4	127	4-19	390	3	230	600 kPa	31
DN100	350	230	190.5	157.2	8-19	470	3	230	600 kPa	50
DN125	400	255	215.9	185.7	8-22	637	3	310	600 kPa	65

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH JIS10K END CONNECTION

JIS 10K END CONNECTION										
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	125	95	70	51	4-12	215	2	110	600 kPa	5
DN20	135	100	75	56	4-14	220	2	110	600 kPa	5.2
DN25	145	125	90	67	4-14	225	2	110	600 kPa	5.4
DN32	160	135	100	76	4-16	240	2	140	600 kPa	7
DN40	180	140	105	81	4-16	285	3	170	600 kPa	14
DN50	210	155	120	96	4-16	307	3	170	600 kPa	16
DN65	250	175	140	116	4-18	327	3	200	600 kPa	22
DN80	300	185	150	126	8-18	390	3	230	600 kPa	31
DN100	350	210	175	151	8-18	470	3	230	600 kPa	50
DN125	400	250	210	182	8-20	637	3	310	600 kPa	65

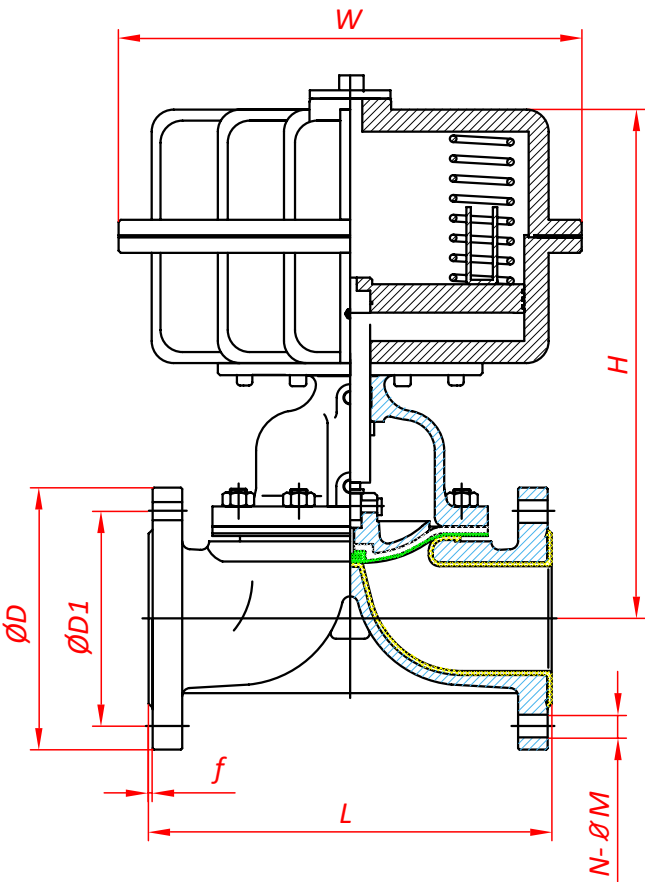


PO5-RP-G : GB STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



GB STANDARD FTF LENGTH DIAPHRAGM VALVE
GB/T 12221



DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH PN10 END CONNECTION

PN10 END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	460	285	240	212	8-22	830	4	370	600 kPa
DN200	570	340	295	268	8-22	880	4	490	600 kPa

DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH CL150# END CONNECTION

ANSI CLASS150LBS END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	460	280	241.3	215.9	8-22	830	4	370	600 kPa
DN200	570	345	298.5	269.9	8-22	880	4	490	600 kPa

DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH JIS10K END CONNECTION

JIS 10K END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	460	280	240	212	8-22	830	4	370	600 kPa
DN200	570	330	290	262	12-22	880	4	490	600 kPa

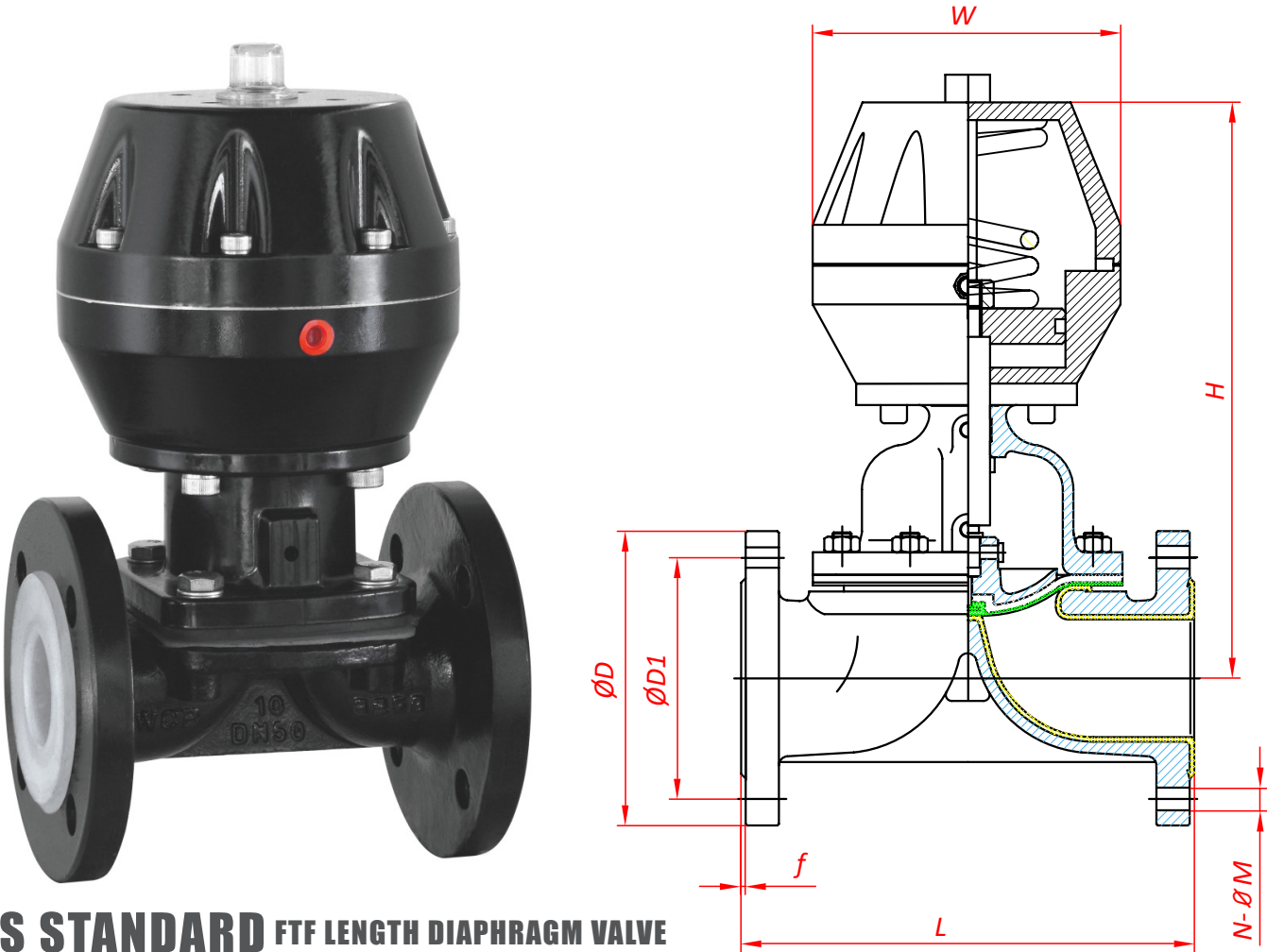
PO5-RP Series:

PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

PO5-RP

PO5-RP-B : BS STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



BS STANDARD

FTF LENGTH DIAPHRAGM VALVE

BS 5156

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH PN10 END CONNECTION

PN10 END CONNECTION										
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	108	95	65	45	4- 14	215	2	110	600 kPa	5
DN20	117	105	75	58	4- 14	220	2	110	600 kPa	5.2
DN25	127	115	85	68	4- 14	225	2	110	600 kPa	5.4
DN32	146	140	100	78	4- 18	240	2	140	600 kPa	7
DN40	159	150	110	88	4- 18	285	3	170	600 kPa	14
DN50	190	165	125	102	4- 18	307	3	170	600 kPa	16
DN65	216	185	145	122	4- 18	327	3	200	600 kPa	22
DN80	254	200	160	138	8- 18	390	3	230	600 kPa	31
DN100	305	220	180	158	8- 18	470	3	230	600 kPa	50
DN125	356	250	210	188	8- 18	637	3	310	600 kPa	65

PO5-RP-B : BS STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH CL150# END CONNECTION

ANSI CLASS150LBS END CONNECTION

Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	108	90	60.3	34.9	4-16	215	2	110	600 kPa	5
DN20	117	100	69.9	42.9	4-16	220	2	110	600 kPa	5.2
DN25	127	110	79.4	50.8	4-16	225	2	110	600 kPa	5.4
DN32	146	115	88.9	63.5	4-16	240	2	140	600 kPa	7
DN40	159	125	98.4	73	4-16	285	3	170	600 kPa	14
DN50	190	150	120.7	92.1	4-19	307	3	170	600 kPa	16
DN65	216	180	139.7	104.8	4-19	327	3	200	600 kPa	22
DN80	254	190	152.4	127	4-19	390	3	230	600 kPa	31
DN100	305	230	190.5	157.2	8-19	470	3	230	600 kPa	50
DN125	356	255	215.9	185.7	8-22	637	3	310	600 kPa	65

DIMENSIONS OF PNEUMATIC DIAPHRAGM VALVE DN15-DN125 WITH JIS10K END CONNECTION

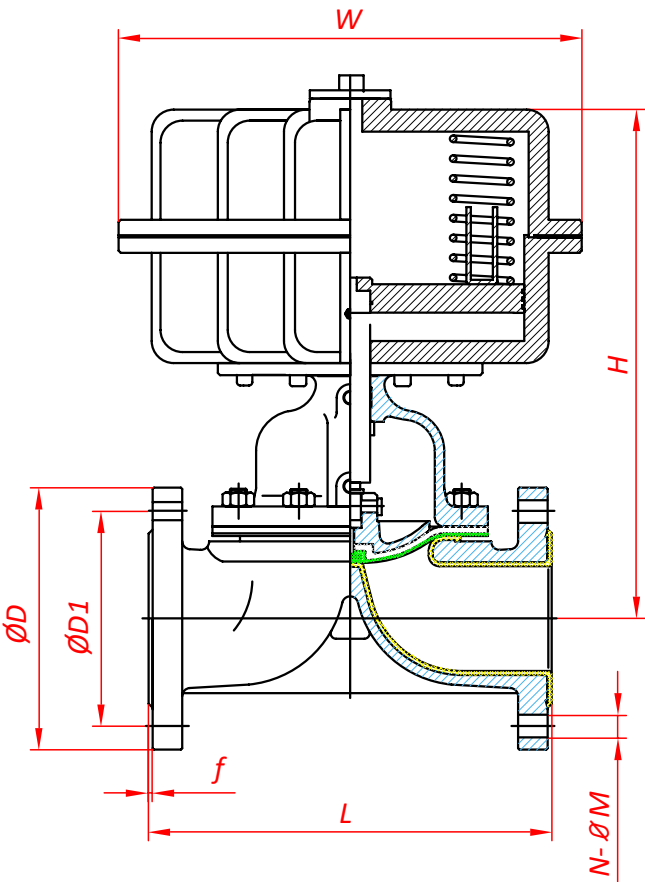
JIS 10K END CONNECTION

Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure	Unit Weight KGs
DN15	108	95	70	51	4-12	215	2	110	600 kPa	5
DN20	117	100	75	56	4-14	220	2	110	600 kPa	5.2
DN25	127	125	90	67	4-14	225	2	110	600 kPa	5.4
DN32	146	135	100	76	4-16	240	2	140	600 kPa	7
DN40	159	140	105	81	4-16	285	3	170	600 kPa	14
DN50	190	155	120	96	4-16	307	3	170	600 kPa	16
DN65	216	175	140	116	4-18	327	3	200	600 kPa	22
DN80	254	185	150	126	8-18	390	3	230	600 kPa	31
DN100	305	210	175	151	8-18	470	3	230	600 kPa	50
DN125	356	250	210	182	8-20	637	3	310	600 kPa	65



PO5-RP-B : BS STANDARD PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

DIMENSIONS



BS STANDARD FTF LENGTH DIAPHRAGM VALVE
BS 5156

DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH PN10 END CONNECTION

PN10 END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	406	285	240	212	8-22	830	4	370	600 kPa
DN200	521	340	295	268	8-22	880	4	490	600 kPa

DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH CL150# END CONNECTION

ANSI CLASS150LBS END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	406	280	241.3	215.9	8-22	830	4	370	600 kPa
DN200	521	345	298.5	269.9	8-22	880	4	490	600 kPa

DIMENSIONS OF OF PNEUMATIC DIAPHRAGM VALVE DN150-DN200 WITH JIS10K END CONNECTION

JIS 10K END CONNECTION									
Size	L	D	D1	D2	N-M	H	f	W	Air Supply Pressure
DN150	406	280	240	212	8-22	830	4	370	600 kPa
DN200	521	330	290	262	12-22	880	4	490	600 kPa

PO5-RP Series: PNEUMATIC OPERATED RUBBER LINED DIAPHRAGM VALVE

ACCESSORY

SOLENOID VALVE : ON-OFF CONTROL

POT521/321 SOLENOID VALVE:

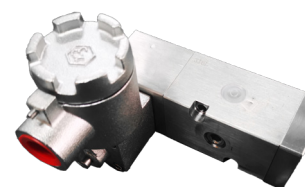
- Type: POT521 : 5-Way-2-Position (Double Acting)
POT321 : 3-Way-2-Position (Single Acting)
- Power Supply: 12/24/48VDC
110/210/220/240VAC
- Material: Alu-Alloy / Stainless steel 316
- Explosion-Proof: Common / Exd II CT6 / Exia IIC T4



COMMON ALU-MATERIAL TYPE



EXPLOSION-PROOF TYPE



SS316 TYPE



LIMIT SWITCH : ON-OFF POSITION FEEDBACK

POP110/112/113 LIMIT SWITCH:

- Type: POP110 : Mechanical Switches 2x SPDT
POP112 : Proximity Switches 2x P+F NCB2-V3-N0 Ex ia IIC T6
POP113 : Proximity Switches, Dry Contact, NPN/PNP -3 Wires
- Power Supply: 24VDC (POP112 Max Supply Voltage 8V, use with Safety Barrier)

INTELLIGENT POSITIONER : 4-20mA MODULATING CONTROL

PO1500/1600 INTELLIGENT POSITIONER:

- Type: 4-20mA Input Signal
4-20mA Feedback (optional)
- Power Supply: 24VDC
- Material: POLYAMIDE



HANDWHEEL MANUAL OVERRIDE

TOP-MOUNTED HANDWHEEL:

- Material: CAST IRON