

## MV Lined Diaphragmvalve

### Diaphragm valve PFA-lined DIN EN 558-1

The GFT9 lined weir type diaphragm valve type **MV** is ideally suited for highly corrosive and pure or ultra-pure applications, where superior performance and almost no maintenance are required. Thanks to its wide range of optional linings it is suitable to handle a multitude of corrosive applications across a large variety of industries like chemical, fine-chemical, pharmaceutical, food and others.



\*Body lining materials:  
PFA, FEP, ETFE, PVDF, PP

\*Body materials:  
Ductile Iron GGG40.3/ ASTM A395  
Cast Steel ASTM A216 Gr. WCB  
ASTM A351 Gr. CF8/ SS 304  
ASTM A351 Gr. VF8M/ SS316

Temperature range:  
-30° C up to 150° C

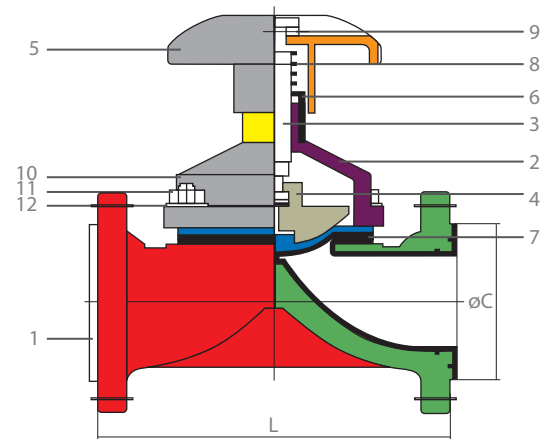
The **MV** is suitable as on/off, control or throttle device for fluids in liquid, gas or vapour form. The design is according to BS EN 13397, flange drilling can be according to DIN, BS or ASA. Equipped with hand wheel as a standard it can also be equipped with pneumatic or electric actuator, positioner, limit switch a.s.o.

Flange dimensions:  
ASME/ANSI B 16.5 Cl. 150

Face to face dimensions:  
DIN 3202, BS 2080, MSSP 88, EN 558

Design Standard:  
BS EN 13397: 2002

Drilling:  
DIN 2632/33, ASA #150,  
BS 10 Table D, E, F



ANSI #150 FLANGED RF	Dimensional Data			
	SIZE	L (mm)	øC (mm)	Torque*** (Nm)
	DN 15 - 1/2"	108	35	80
	DN 20 - 3/4"	117	43	85
	DN 25 - 1"	127	51	115
	DN 40 - 1 1/2"	159	73	155
	DN 50 - 2"	190	92	155
	DN 65 - 2 1/2"	216	104	190
	DN 80 - 3"	254	127	200
	DN 100 - 4"	305	158	245
	DN 125 - 5"	353	185	300
	DN 150 - 6"	406	214	360
	DN 200 - 8"	520	266 (min)	on request
	DN 250 - 10"	635	320 (min)	on request

\*\*\* Torque measured at Δ11bar

Pos.	Item	Material
1	Lined Body	Ductile Iron GGG40.3 - FEP Lined *
2	Bonnet	Ductile Iron, WCB
3	Spindle	C.S., SS 304, SS316, SS410 - PTFE Lined
4	Compressor Pin Type	Ductile Iron, WCB
5	Handwheel	ABS, Metallic
6	Opening Indicator Sleeve	HDPE
7	Diaphragm (pin Type)	PTFE Backed with Neoprene Rubber **
8	Compression Spring	Stainless Steel
9	Dowell Pin	Stainless Steel
10	Stud	Stainless Steel
11	Nut	Stainless Steel
12	Plain Washer	Stainless Steel

\* Other lining and body materials as outline in this document

\*\* Optional EPDM back up

Weir type,  
hermetically tight,  
optional straight  
through type,  
FDA compliant

3 to 5mm  
thick lining for  
high permeation  
resistance

Top entry  
valve with very  
low maintenance  
without  
dismantling

Complete  
isolation  
of working  
parts from  
process steam

Body  
lining materials,  
PFA, FEP,  
ETFE, PVDF, PP

Body materials:  
ASTM A395,  
ASTM  
A216 Gr. WCB,  
CF8, CF8M

Yellow  
travel indicator  
for visual control

100% leak tight  
Class VI  
Leakage Rate

For clean room  
applications  
with SS body

For pneumatic or  
electric actuator,  
positioner,  
limit switch, aso

Solid free fluids  
or with minor  
solid contents