

- SERIES G**

FLANGES : Size 15 - 80 Connecting dimensions and thickness to BS – 10 Table F

FLANGES : Size 100 – 300 Connecting dimensions and thickness to ANSI B 16-1 Class 125 lbs

**RANGE OF APPLICATION**

SIZE IN mm	PRESSURE RATING	HYD. TEST PRESSURE IN BAR FOR	
		BODY	SEAT
15 – 100	10.50	15.75	10.50
150 - 300	5.25	8.00	5.25

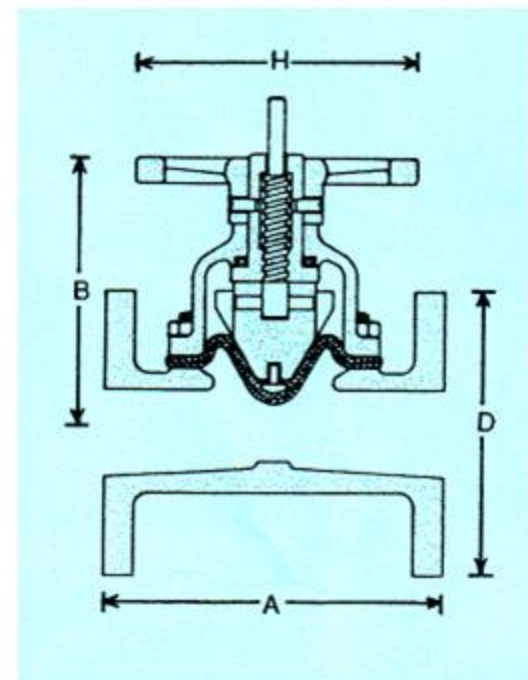
MATERIALS

BODY	Cast iron IS : 210 Gr FG 260 / with hard / soft rubber lining.
BONNET / COMPRESSOR	Cast iron IS : 210 Gr FG 260
DIAPHRAGM 1)	Quality according to working condition
STEM	Ferritic chrome steel AISI – 410
BUSHING	S G iron IS : 1865 Gr 500 / 7
CONNECTIONG STUDS / NUTS	Steel IS : 1367, Gr 4.6 / 4
HANDWHEEL	Cast iron IS : 210 Gr FG 200.
VALVE SUFACE PROTECTION	Prime coat : derivative with modified alkyd resin unobjectionable in physiological and toxylogical respects. Additional external coating : machine varnish, bluish grey.

• **FEATURES**

- Straight pattern, without stuffing-box, absolutely leak tight, with rising stem and non-rising handwheel. The valve is closed by turning the handwheel in clockwise direction. The travel stop is also serving as indicating device. Provided with grease nipple for lubrication of threaded bush & stem. Diaphragm can be replaced without removing the valve from the pipeline.

SIZE mm	FACE TO FACE DIMENSION A		HEIGHT APPRO X B mm	FLA NGE DIAMETER D mm	HANDWHEEL DIAMETER H mm	WEIGHT 2) Approx. Kg
	UNLINED mm	LINED				
15	108	114	85	95	70	3.0
25	127	133	105	121	100	4.2
40	159	165	105	150	100	5.5
50	190	196	135	165	140	10.5
65	216	222	165	185	180	15.5
80	254	260	190	200	225	25.5
100	305	313	230	229	225	32.0
150	406	414	4156	285	370	84.0
200	521	529	560	345	470	145.0
250	635	645	660	406	690	250.0
300	749	759	660	483	690	330.0



- 1) Diaphragm grade according to working pressure, flow medium & working temperature
 - 2) Net (without obligation)
 - 3) On request also available with additional auxiliary arrangements like pad-lock, chain wheel extended type stem, electrical / pneumatic actuators & sealed type bonnets with 'O' ring assembly (for vacuum application) etc.
- When placing the order, please specify flow medium, working pressure and working temperature

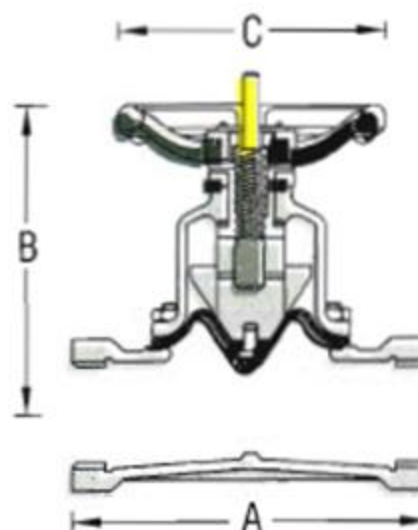
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• **SERIES G screwed**



TEST PRESSURE IN BAR	
PRESSURE RATING IN BAR 2)	10
Hyd. Shell	15.75
Shell	10
Air Seat	5

SIZE mm	A SCREWED ENDS	B	C	Wt 1)
16 / 10	-	-	-	-
15	64	90	70	0.9
20	83	90	70	1.8
25	108	112	100	3.0
32	121	112	100	3.2
40	140	112	100	3.5
50	165	146	140	6.5
65	203	177	180	10
80	254	205	225	21



BODY / BONNET / COMPRESSOR	Cast iron IS : 210 Gr FG 260,CS / ASTM A 216 Gr. WCB, SS / ASTM A 351 Gr. CF8 / CG8M
DIAPHRAGM	Elastomer /PTFE (Grade according to working conditions)
STEM	Steel ASTM A 276 type 410
BUSHING	S G Iron IS: 1965 Gr. 500/7
CONNECTIONG STUDS / NUTS	Steel IS : 1367 Gr 4.6 / 4
HANDWHEEL	Cast Iron IS : 210
SUFACE PROTECTION FOR CAST IRON AND CAST CARBON STEEL VALVES	Prime coat : chlorine-free with modified alkyd resin, unobjectionable in physiological and toxylogical respects. Additional external coating: stoving enamel

