

Fig. 4970 & 4970G Ductile Iron Fully-lugged



FEATURES & BENEFITS

- Robust, ductile Iron valve bodies for long service life
- Stainless steel disc for improved strength and a wide range of applications
- Valve body fully-lugged for secure installation
- Long neck designed for insulation requirements
- Maintenance free valve design, reducing downtime
- External epoxy coating for improved durability
- Suitable for wide temperature range -10°C to 120°C
- Fig. 4970 lever operated valves available in sizes DN50 to DN200
- Fig. 4970G gear operated valves available in sizes DN50 to DN600



MATERIAL SPECIFICATION

Component	Material	Specification	
		BS EN	ASTM
Body	Ductile Iron	1563 EN-JS1030	A536-65-45-12
Operating Shaft	Stainless Steel 410	10088-1 X12Cr13	A276 410
Disc	Stainless Steel 316	110213-4 GX5CrNiMo19-11-2	A351 CF8M
Taper Pins	Stainless Steel 316	10088-1X5CrNiMo17-12-2	A276 316
Bushes	PTFE	-	-
O-Ring	Buna N	-	-
Liner	EPDM	-	-

PRESSURE/ TEMPERATURE RATING

16 bar from -10 to 120°C
15.7 bar at 130°C

TEST PRESSURES

Shell: 24 bar
Seat: 17.6 bar

SPECIFICATION

Conforms to BS EN 593:2009.
Ductile Iron body epoxy coated.
Fully-lugged.
Stainless steel disc.
EPDM liner.
To suit flange connections BS EN 1092-2 PN16.
Valves may be used for flow regulation.
Valves DN250 and larger supplied as standard with fully enclosed gear operator.
Valves DN450 and larger supplied with spur gear unit as part of gear operator.

DIMENSIONS & WEIGHTS

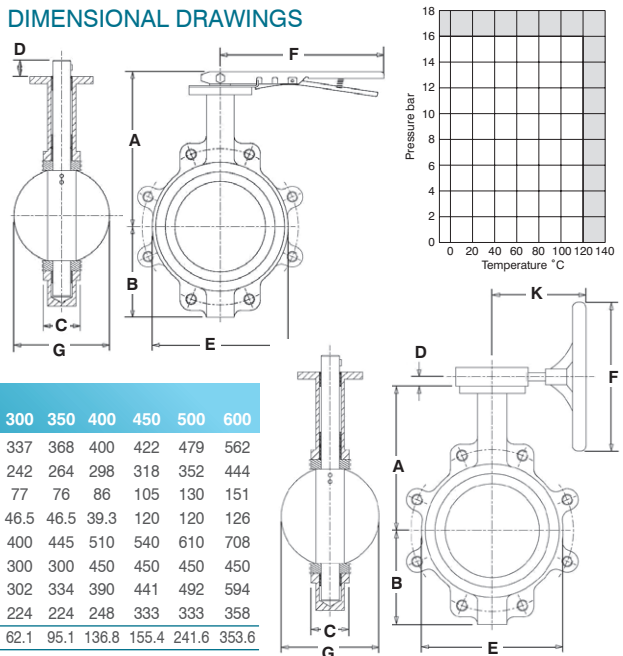
Fig. 4970

Nom Size	mm	50	65	80	100	125	150	200
A	mm	195	207	213	232	245	257	305
B	mm	80	89	95	114	127	139	175
C	mm	44	48	48	54	57	57	60
D	mm	32	32	32	32	32	32	44
E	mm	100	120	127	165	185	212	268
F	mm	260	260	260	260	260	260	356
G	mm	53	65	79	104	124	156	203
Weight	kg	4	4.5	7.2	12.6	13.5	14.9	24.1

Fig. 4970G

Nom Size	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A	mm	162	175	181	200	213	225	260	292	337	368	400	422	479	562
B	mm	80	89	95	114	127	139	175	203	242	264	298	318	352	444
C	mm	42	45	45	52	54	56	60	66	77	76	86	105	130	151
D	mm	39	39	39	39	39	39	41.5	41.5	46.5	46.5	39.3	120	120	126
E	mm	100	120	127	165	185	212	268	341	400	445	510	540	610	708
F	mm	150	150	150	200	200	300	300	300	300	300	450	450	450	450
G	mm	53	65	79	104	124	156	203	251	302	334	390	441	492	594
K	mm	157	157	157	157	148	148	238	238	224	224	248	333	333	358
Weight	kg	15.5	15.9	18.7	24.1	25	26.4	36.7	47.1	62.1	95.1	136.8	155.4	241.6	353.6

DIMENSIONAL DRAWINGS



Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Hattersley Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.

150818