



Fig. 970 & 970G Fully-lugged, Lever/Gearbox Operated

FEATURES & BENEFITS

- Robust ductile iron valve body for long life service
- Integrated notch plate for a more compact design
- The anti-blow out stem design provides a safe and secure operation
- Fully bonded epoxy paint system for superior corrosion resistance
- Suitable for applications where Level 3 C3 (Medium) corrosion protection is required
- Maintenance free valve design, reducing downtime

Fig. 970 DN80



MATERIAL SPECIFICATION

Component	Material	Specification
Body	Ductile Iron (Epoxy Paint)	ASTM A536 64-45-12
Shaft	Stainless Steel Type 410	ASTM A276 410
Taper Pin	Stainless Steel Type 410	ASTM A276 410
Disc	Aluminium Bronze	C954 ASTM B148
Bushes	PTFE	-
O-Ring	Buna-N	-
Liner	EPDM	-
Lever	Aluminium Alloy (Epoxy Paint)	-
Gearbox	Cast Iron	-

PRESSURE/ TEMPERATURE RATING

PN16 from -10 to 90°C

TEST PRESSURES

Each valve is individually hydrostatically tested to BS EN 12266-1 at the following test pressures.

Shell: 24 bar

Seat: 17.6 bar

SPECIFICATION

Conforms to BS EN 593.

Face to face conforms to BS EN 558.

Valves DN250 and larger supplied as standard with a fully enclosed gear operator.

Valves may be used for flow regulation.

Suitable for gas applications.

Fig. 971 and 971G are suitable for Group 1 and 2 gases and Group 1 and 2 liquids as defined by the Pressure Equipment Directive 2014/68/EU.

DIMENSIONS & WEIGHTS

Fig. 970 Lever

Nom Size	mm	50	65	80	100	125	150	200
A	mm	109	131.5	134	163	169	179	224
A1	mm	246	278.5	294	343	359	392	465
B	mm	72	82	90	108	125	142	165
C	mm	43	46	46	52	56	56	60
D	mm	32	32	32	32	32	40	40
E	mm	212.5	212.5	212.5	212.5	212.5	245	378
G	mm	52.9	64.6	79	104.4	123.5	155.8	202.7
K	mm	125	145	160	180	210	240	295
Kv***		98	167	258	512	872	1347	2675
n-THREAD		4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20
Weight	kg	3.6	4.1	5.0	6.5	9.3	11.5	16.8

DIMENSIONAL DRAWINGS

Fig. 970
LEVER

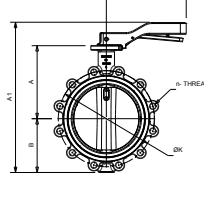


Fig. 970G
GEARED

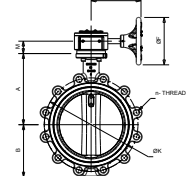
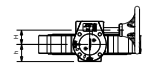
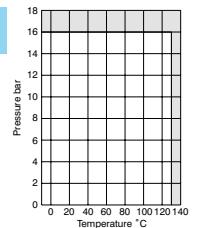


Fig. 970G Geared

Nom Size	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
A	mm	109	131.5	134	163	169	179	224	264	299	368	400	422	479	562
B	mm	72	82	90	108	125	142	165	215	240	264	299	317.5	352.5	444
C	mm	43	46	46	52	56	56	60	68	78	78	86	105	130	154
D	mm	32	32	32	32	32	40	40	40	40	-	-	-	-	-
E	mm	157	157	157	157	157	157	238	238	223.5	223.5	277	325	325	340
F	mm	150	150	150	150	300	300	300	300	300	300	450	450	450	450
G	mm	52.9	64.6	79	104.4	123.5	155.8	202.7	250.7	301.9	334	390	441	492	597
H	mm	45	45	45	45	45	45	63	78	78	78	78	185	185	185
h	mm	54	54	54	54	54	54	81	81	81	81	81	160	160	160
M	mm	39	39	39	39	39	39	39	41.5	38.3	46.5	39	120	120	126
Kv***		98	167	258	512	872	1347	2675	4555	7037	6003	8885	10419	13613	17801
n-THREAD		4-M16	4-M16	8-M16	8-M16	8-M16	8-M20	12-M20	12-M24	12-M24	16-M27	16-M27	20-M30	20-M33	
Wgt BS*	kg	3.3	3.8	4.7	6.2	8.9	11.0	16.1	34.5	51.2	-	-	-	-	-
Wgt GB**	kg	8.3	8.7	9.7	11.2	13.9	15.8	23.0	44.9	64.2	226.0	277.0	277.0	332.0	357.0



BS* for bare shaft
GB** for gearbox
Kv*** coefficient denotes valves in fully open position

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