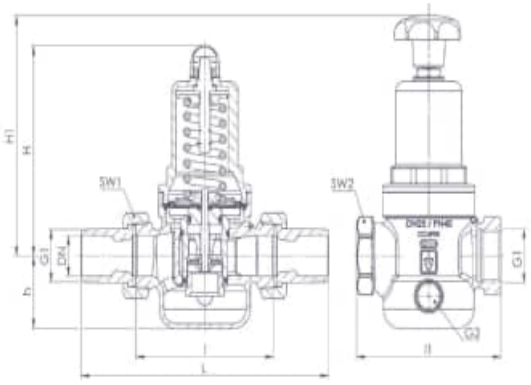

GOE-630

Bronze
In-Line Discharge
Overflow & Pressure
Control Valve
For Air, Gasses, Oil & Water*
BSPP Female Threaded
or
BSPT Male Threaded Unions

The compact GOE-630 overflow and pressure control valve is designed for pump protection and bypass control applications.

User pressure adjustment is achievable on site or these valves can be set to your requirements.

Features, Benefits & Approvals

- Lloyds, DNV, BV type approved**
- ABS & GL type approved**
- Straight in-line discharge
- Set, tested and certified prior to despatch
- User adjustable if necessary

Pressure & Temperature

Pressure range:-

0.5 to 10 bar
***See range of adjustment below

Temperature range:-

EPDM Disc: <8 bar -20°C to 120°C
EPDM Disc: >8 bar -20°C to 95°C

FKM Disc: <8 bar -10°C to 120°C
FKM Disc: >8 bar -10°C to 95°C

DN (G1)	15 (½")	20 (¾")	25 (1")	32 (1¼")	40 (1½")	50 (2")
L	142	158	180	193	226	252
l	80	90	100	105	130	140
l1	85	95	105			
H	102	102	130	130	165	165
H1	124	124	161	161	198	198
h	33	33	45	45	70	70
SW1	30	37	46	52	65	75
SW2	28	35	43	48	57	68
G2 BSP Female	¼"	¼"	¼"	¼"	¼"	¼"
Weight	1.2	1.4	2.4	2.6	5.5	6
Coefficient of Flow K_{vs}	2.1	2.4	5.1	5.5	10.5	11.5
***Range of Adjustment	0.5 - 2 bar • 1.5 - 6 bar • 5.5 - 10 bar (Specify when ordering)					

Materials	
Body	Bronze
Internal Parts	Brass / Bronze
Spring	Spring Steel
Valve Seat	Stainless Steel (316L)
Disc	EPDM • FKM

* Dependent on version, please check compatibility ** On request

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Datasheet No. 130030a - 06/25

GOE-630

Capacity Charts/Sizing

Kv VALUES AIR (Nm^3/h) @ 1 bar overpressure						
Set Pressure (bar)	**DN15**	**DN20**	**DN25**	**DN32**	**DN40**	**DN50**
0.5	73	77	189	193	417	445
1.0	89	94	234	239	498	537
1.5(1)	102 (103)	108 (107)	264 (185)	273 (196)	587 (370)	624 (408)
2.0(1)	117 (119)	121 (126)	303 (226)	314 (238)	636 (429)	683 (472)
3.0	146	153	282	291	506	557
4.0	170	176	330	338	543	615
5.0	187	194	367	379	625	684
5.5(2)	195 (139)	206 (157)	386 (183)	394 (186)	653 (375)	719 (417)
6.0(2)	203 (147)	216 (163)	405 (194)	418 (202)	708 (395)	760 (443)
7.0	162	178	223	229	400	502
8.0	179	190	259	264	407	517
9.0	218	225	285	289	432	564
10.0	255	261	303	314	465	601

Kv VALUES WATER (m^3/h) @ 1 bar overpressure						
Set Pressure (bar)	**DN15**	**DN20**	**DN25**	**DN32**	**DN40**	**DN50**
0.5	2.7	2.9	5.5	6.2	12.4	12.9
1.0	2.9	3.3	6.1	6.9	12.9	13.8
1.5(1)	3.4 (3.1)	3.6 (3.4)	6.6 (5.6)	7.5 (6.4)	13.2 (9.0)	14.4 (9.4)
2.0(1)	3.6 (3.2)	3.9 (3.4)	6.9 (5.7)	7.8 (6.4)	13.5 (9.1)	14.9 (9.4)
3.0	3.3	3.5	5.9	6.5	9.3	9.5
4.0	3.4	3.7	6.1	7.2	9.5	9.9
5.0	3.3	3.7	6.2	7.5	9.7	10.2
5.5(2)	3.0 (2.3)	3.6 (2.7)	5.8 (3.2)	6.9 (4.1)	10.1 (7.2)	10.5 (7.7)
6.0(2)	2.9 (2.4)	3.6 (2.7)	5.4 (3.3)	6.7 (4.2)	10.4 (7.3)	10.9 (8.0)
7.0	2.4	2.6	3.9	4.5	7.5	8.1
8.0	2.4	2.6	3.8	4.4	7.3	7.8
9.0	2.3	2.5	3.7	4.2	6.9	7.4
10.0	2.2	2.5	3.6	4.0	6.5	7.1

(1) Figures in brackets are with spring range 1.5 - 6 bar (2) Figures in brackets are with spring range 5.5 - 10

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