



ILLUSTRATED SHOWING
TYPE R
CRIMPED ROTA-LIFT
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

1	BODY	BRASS BS2874 CZ132
2	ADJUSTER	BRASS BS2874 CZ132
3	PLUNGER	BRASS BS2874 CZ132
4	RETAINING CLIP	ZINC PLATED
5	SPRING	ST.STL BS2056 302S26
6	DISC SEAL	SEE ORDERING CODE
7	RELIEVING SCREW	BRASS BS2874 CZ132
8	'O' RING	MATERIAL AS DISC SEAL
9	PIPE COLLAR	PPS 40% GLASS FILLED

APPROVALS

Ad-Merkblatt A2 1993: (TÜV Germany) TÜV.SV.03-925.7,9.D/G.α_w.p
In accordance with I.S.O. 4126 and BS6759 [but not approved].
P.E.D. 97/23/EC
Type examination module B, Cert. No. 01 202 111-B-00015
Quality management system module D, Cert No. EDS 0002011/01

TECHNICAL DATA

Relieving pressure = Set pressure +10% (Below 1 Bar.g = 0.1 Bar.g)
Reseating pressure = Set pressure -10% (0.3 Bar.g minimum)
Maximum set pressure = 13.2 Bar.g
Minimum set pressure = 0.3 Bar.g
Flow area = 49.02 mm²
Inlet bore diameter = 7.9 mm
TÜV Derated coefficient of discharge (α_w) = 0.46 from 0.3 to 0.8 Bar.g.
= 0.56 from 1.4 to 3.24 Bar.g.
= 0.63 from 3.24 to 13.2 Bar.g.
= 2.43mm
Minimum Lift as 10% overpressure
Temperature Range = -20°C to 180°C subject to seal material.
Maximum permissible built up back pressure = 10% of set pressure at or below which flow is not reduced.

FOR FURTHER INFORMATION, INSTALLATION AND OPERATION INSTRUCTIONS, CONVERSION FACTORS ETC. SEE TECHNICAL INFORMATION SECTION.

FLOW CHART

-TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

SET PRESSURE Bar.g	0.3	0.8	1.4	2	3	4	5	6	7	8	9	10	13.2
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar normal m ³ /h	20.6	29.1	47.7	60.0	80.6	113.8	137	160.1	183.2	206.4	229.5	252.7	326.6

VALVE SELECTION CHART

Standard sizes shown, other sizes may be available.

#	INLET CONNECTION	OUTLET CONNECTION	ORDERING PREFIX CODE	TOP FITTING CODE
				R
#	G 1/4 (1/4" BSP PARALLEL)	G 3/8 (3/8" BSP PARALLEL)	63608A	521
#	R 1/4 (1/4" BSP TAPER)			522
#	1/4" NPT			523
#	G 3/8 (3/8" BSP PARALLEL)			524
#	R 3/8 (3/8" BSP TAPER)			525
#	G 1/2 (1/2" BSP PARALLEL)			527
#	R 1/2 (1/2" BSP TAPER)			528

Example:
Ordering code 63608A 528 3 is Crimped Rota-Lift, 1/2" BSP taper inlet connection with Viton® seals.

Seal material:

Last digit of ordering code calls up Viton® seals (since this is the most universal type). When other material is required last digit changes to:-

- 1. NITRILE
- 3. VITON®
- 4. SILICONE [use for W.R.A.S.]
- 5. NEOPRENE
- 6. ETHYLENE PROPYLENE

For advice on seal selection refer to Technical Information Section A.

Max. Tightening torque 14Nm.

NOTE:

This valve is available for use with steam or hot water at or above 100°C, [evaporation from water @ 100°C to steam @ 100°C] up to 4.0 Bar.g. It complies with the requirements of UK Water Regulation/Byelaws, for use with 'wholesome water'.

W.R.A.S. [Water Regulation Advisory Scheme]

Certificate No. 001 0021.



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8mm Nominal Bore
ENCLOSED DISCHARGE SAFETY VALVE
FOR COMPRESSED AIR OR GASES

ENCLOSED DISCHARGE
8mm NOMINAL BORE SERIES
TYPE 63608 BRASS