



ILLUSTRATED SHOWING
TYPE R
CRIMPED ROTA-LIFT
EASING GEAR

ITEM	DESCRIPTION	MATERIAL
1	BODY	BRASS BS EN 12164 CW602N
2	ADJUSTER	BRASS BS EN 12164 CW602N
3	PLUNGER	BRASS BS EN 12164 CW602N
4	RETAINING CLIP	ZINC PLATED
5	SPRING	ST.STL. BS EN 10270-3 1.4310
6	DISC SEAL	SEE ORDERING CODE
7	RELIEVING SCREW	BRASS BS EN 12164 CW602N
8	O'RINGS	MATERIAL AS DISC SEAL
9	PIPE COLLAR	PPS 40% GLASS FILLED

APPROVALS

AD 2000-Merkblatt A2: TÜV.SV.**-925.7,9.D/G.αw.p
P.E.D.2014/ 68/ EU
Type examination module B, Cert. No. 01 202 642-B-10015
Quality management system module D, Cert No. COV0812369/ 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	= 49.02mm ²	
Inlet bore diameter	= 7.9mm	
TÜV alloted outflow coefficient αw	= 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	
Minimum lift at 10% overpressure	= 2.43mm	
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 & OPERATION INSTRUCTIONS, CONVERSION FACTORS ETC. SEE TECHNICAL INFORMATION SECTION.		



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ISSUE H 7.5.19

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

SHEET 1 OF 2

ENCLOSED DISCHARGE
8mm NOMINAL BORE
TYPE 63608 BRASS

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 & 1013 mbar nominal 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 MY BE AVAILABLE.

	INLET CONNECTION	OUTLET CONNECTION	ORDERING PREFIX CODE	TOP FITTING CODE 'R'
#	G ¼ (¼" BSP PARALLEL)	G ¾ (¾" BSP PARALLEL)	63608A	521
#	R ¼ (¼" BSP TAPER)			522
#	¼" NPT			523
	G ¾ (¾" BSP PARALLEL)			524
	R ¾ (¾" BSP TAPER)			525
	G ½ (½" BSP PARALLEL)			527
	R ½ (½" BSP TAPER)			528

Example:

Ordering code 63608A 528 3 is a Crimped Rota-Lift, ½" 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, the last digit changes to:-

1. NITRILE
3. VITON® (1 bar.g and above only)
5. NEOPRENE
6. ETHYLENE PROPYLENE

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

NOTES:

Valve selection chart '#' = Max. tightening torque of 14Nm.
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



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