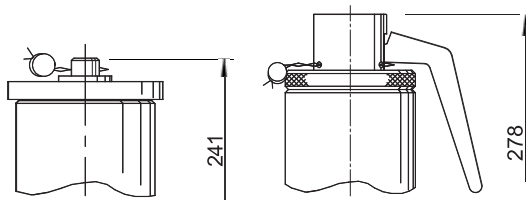


ILLUSTRATED SHOWING  
TYPE R  
ROTA-LIFT  
EASING GEAR

ALTERNATIVE TOP FITTING



TYPE SB  
SEALED  
NO EASING TYPE

TYPE L  
LEVER  
NON-SEALED  
EASING GEAR

(OPTION NOT AVAILABLE FOR  
64625 & 65625 TYPE VALVES)

PARTS LIST & MATERIAL SPECIFICATION

	63625	63725, 63125	64625, 64725, 64125 *	65625 *	65725, 65125 *
1 INLET SEAT	BRASS BS EN 12164 CW614N		ST.STL. BS EN 10088-3 1.4401 (316) SA-479 S31600	ST.STL. BS EN 10088-3 1.4401 (316) SA-479 S31600	
2 'O' RING	SEE SELECTION CHART				
3 SEAL RETAINER	BRASS BS EN 12164 CW614N		ST.STL. BS EN 10088-3 1.4401 (316)	ST.STL. BS EN 10088-3 1.4401 (316)	
4 PLUNGER	BRASS BS EN 12164 CW602N		ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12165 CW614N	
5 BODY	BRONZE / GUNMETAL BS EN1982 CC491K SB-62 C83600		ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M	BRONZE / GUNMETAL BS EN1982 CC491K SB-62 C83600	
6 SPRING	ST.STL. BS EN 10270-3 1.4310 (302)				
7 SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)				
8 ADJUSTER	BRASS BS EN 12164 CW614N		ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12164 CW614N	
9 CAP	BRASS BS EN 12164 CW614N		ST.STL. BS EN 10088-3 1.4401 (316)	BRASS BS EN 12164 CW614N	
10 NAMEPLATE	ALUMINIUM	ST.STL.	ST.STL.	ALUMINIUM	ST.STL.
11 WIRE & SEAL	ST.STL. & LEAD				

\*64625 & 65625 TYPE VALVES, SEE 'TYPE L' OPTION NOTES

APPROVALS

Ad 2000-Merkblatt A2: (TÜV Germany) Ref - TÜV.SV.\*\*-830.25.D/G.0,85.p.  
P.E.D.2014/68/EU.

Type examination module B, Cert. No. 01 202 642-B-10016

Quality management system module D, Cert. No. COV0812369/01

Designed in accordance with BS EN ISO 4126-1

Meeting the requirements of the A.S.M.E. Boiler & Pressure Vessel code section VIII for air/gas.

UV Cert. of Authorisation: 35757

Capacities certified by the National Board of Boiler & Pressure Vessel Inspectors.

TECHNICAL DATA

Relieving pressure = Set pressure +10%  
 Reseating pressure = Set pressure -10%  
 Maximum set pressure = 30 Bar.g (12 Bar.g. Steam)  
 Minimum set pressure = 5.65 Bar.g  
 Flow area = 490.4 mm<sup>2</sup>  
 Inlet bore diameter = 25 mm  
 BS Derated coefficient of discharge  $K_{dr}$  = 0.88  
 TÜV allotted outflow coefficient  $\alpha_w$  = 0.85  
 BS Minimum lift at 10% overpressure = 9.5mm  
 NB Certified rate slope = 12.26 scfm/psia  
 Temperature Range = -30°C to 200°C subject to seal material.  
 Maximum permissible built up back pressure = 10% of set pressure at or below which flow is not reduced.  
 Stable operation on flows down to 50% of valve rated capacity.  
 FOR FURTHER INFORMATION, CONVERSION FACTORS, INSTALLTION AND OPERATION INSTRUCTIONS ETC.  
 SEE TECHNICAL INFORMATION SECTION.

SHEET 1 OF 2 SHEETS



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT  
 TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193  
 www.seetru.com info@seetru.com

25mm Nominal Bore  
 DIRECT SPRING LOADED ENCLOSED  
 DISCHARGE SAFETY VALVE FOR  
 COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE  
 25mm NOMINAL BORE SERIES M/2  
 TYPE 63625, 63725, 63125 BRASS  
 TYPE 64625, 64725, 64125 ST.STL.  
 TYPE 65625, 65725, 65125 BRASS/ST.STL.

### FLOW CHART (P.E.D.)

-TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION.

-FOR GREATER FLOWS REFER TO SEETRU, FOR LOWER FLOWS REFER TO 20mm BORE 63620 DATA SHEET.

SET PRESSURE Bar.g	5.65	6	7	8	9	10	15	20	25	30
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126, AIR AT 15°C AND 1013 mbar Std. Litres/s	602	634	725	817	909	1000	1459	1918	2376	2835
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h	2054.3	2163.7	2476.4	2789	3101.7	3414.3	4977.5	6540.7	8103.9	9667.1

### FLOW CHART (A.S.M.E.)

SET PRESSURE Psig	82	90	100	150	200	250	300	350	400	435
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH A.S.M.E. AIR AT 60°F AND 14.7 psia/scfm	1286	1394	1529	2203	2877	3552	4226	4900	5575	6047

\* DISCHARGING TO ATMOSPHERE

### FLOW CHART (P.E.D.) SATURATED STEAM

SET PRESSURE Bar.g	5.65	6	7	8	9	10	11	12
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126 STEAM Kg/hr	1579	1661	1895	2128	2361	2595	2826	3057
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV STEAM Kg/hr	1582	1666	1907	2148	2389	2629	2870	3111

### VALVE TYPE OPTIONS:

- 63625, 64625, 65625 = TUV, B.S. (P.E.D.)
- 63725, 64725, 65725 = A.S.M.E. & N.B.
- 63125, 64125, 65125 = A.S.M.E. & N.B., TUV, B.S. (P.E.D.)

### VALVE SELECTION CHART

Standard thread sizes shown, other sizes may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE		
			L *	R	SB
G 1 1/4 (1 1/4" BSP PARALLEL)	G 2 (2" BSP PARALLEL)	63625A 63725A 63125A  64625A 64725A 64125A  65625A 65725A 65125A	3363	2163	1363
R 1 1/4 (1 1/4" BSP TAPER)			3373	2173	1373
1 1/4" NPT			3383	2183	1383
G 1 1/2 (1 1/2" BSP PARALLEL)			3393	2193	1393
R 1 1/2 (1 1/2" BSP TAPER)			3403	2203	1403
1 1/2" NPT			3413	2213	1413
G 2 (2" BSP PARALLEL)			3453	2253	1453
2" NPT			3473	2273	1473

Example:

Ordering code 63625A 219 3 is Rota-lift, with 1 1/2" BSP parallel inlet connection, 2" BSP parallel outlet connection with Viton® seals and wirelocked.

\* 'TYPE L' OPTION NOT AVAILABLE FOR 64625 & 65625 TYPE VALVES.

Seal material:

Last digit of ordering code calls up Viton® seal

(since this is the most universal type). When other material is required last digit changes to:

1. NITRILE
3. VITON®
5. NEOPRENE
6. ETHYLENE PROPYLENE
8. PERFLUOROELASTOMER

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



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SHEET 2 OF 2 SHEETS

ENCLOSED DISCHARGE  
 25mm NOMINAL BORE SERIES M/2  
 TYPE 63625, 63725, 63125 BRASS  
 TYPE 64625, 64725, 64125 ST.L.  
 TYPE 65625, 65725, 65125 BRASS/ST.L.