

ILLUSTRATED SHOWING
TYPE R
ROTA-LIFT
EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		10625 (#)	11625
1	BODY	BRASS BS EN 12164 CW614N	ALUMINIUM
2	SEAL	TO SUIT APPLICATION	
3	DISC ASSEMBLY	BRASS	ALUMINIUM
4	SHROUD	ALUMINIUM	
5	DIAPHRAGM	VITON	
6	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)	
7	BONNET	BRASS BS EN 12164 CW614N	ALUMINIUM
8	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)	
9	RELIEVING SCREW	BRASS BS EN 12164 CW614N	ALUMINIUM
10	WIRE & SEAL	ST.STL. & LEAD	

(#) A.S.M.E. APPROVAL FOR 10625 TYPE VALVE ONLY.

APPROVALS

Ad - MERKBLATT A2: (TÜV GERMANY) TÜV.SV.08-926.25.F/K/S. * .p [* = Variable α_D below 3 Bar.g]
 P.E.D. 97/23/EC
 TYPE EXAMINATION MODULE B, CERT. No. 01 202 111-B-00007
 QUALITY MANAGEMENT SYSTEM MODULE D, CERT. No. EDS 002011/01.
 Meeting the requirements of the A.S.M.E. Boiler & Pressure Vessel Code section VIII for air.
 UV Cert. of Authorisation: 35757
 Capacities certified by the National Board of Boiler & Pressure Vessel Inspectors.

TECHNICAL DATA

Relieving pressure	= Set pressure +10% (Below 1 Bar.g set pressure +0.1 Bar.g)
Reseating pressure	= Set pressure -15% (Below 2 Bar.g set pressure -0.3 Bar.g)
Maximum set pressure	= 12.0 Bar.g
Minimum set pressure	= 0.5 Bar.g
Flow area	= 491mm ²
Inlet bore diameter	= 25mm
Temperature range	= up to 180°C subject to seal material
TÜV derated coefficient of discharge α_D	= 0.78 (Above 3.6 Bar.g set pressure. See flow chart for lower pressures.)
NB Certified rated slope	= 11.3 scfm/psia
Minimum lift at 10% overpressure	= 6.5mm

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



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT
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25mm Nominal Bore
 ATMOSPHERIC DISCHARGE SAFETY VALVE
 FOR CLEAN & PARTICLE LADEN GASES.

ATMOSPHERIC DISCHARGE
 25mm NOMINAL BORE
 TYPES
 10625, 10125, 10725
 11625, 11125, 11725

SHEET 1 OF 3 SHEETS

FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION.

TÜV kdr	0.57	0.66	0.74	0.77	0.78								
SET PRESSURE Bar.g	0.50	1	2	3	4	5	6	7	8	9	10	11	12
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH BS 6759, AIR AT 15°C AND 1013 mbar Std. Litres/s	86	131	224	314	398	479	560	641	722	803	884	965	1046
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h	308	466	795	1110	1411	1698	1985	2272	2559	2846	3133	3420	3707

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

SET PRESSURE Psi.g	7.25	10	20	30	40	50	60	70	80	90	100	150	174
RATED DISCHARGE CAPACITY IN ACCORDANCE WITH A.S.M.E. AIR AT 60°F AND 14.7 psia/scfm	282	313	426	539	663	788	912	1036	1161	1285	1409	2031	2329

VALVE TYPE OPTIONS:

- 10625 = TUV, B.S. (P.E.D.)
- 10725 = A.S.M.E. & N.B.
- 10125 = A.S.M.E. & N.B., TUV, B.S. (P.E.D.)

VALVE SELECTION CHART

STANDARD SEAT SIZES SHOWN, OTHER SIZES MAY BE AVAILABLE.

INLET CONNECTION	LENGTH 'L' (mm)	ORDERING CODE	ROTA-LIFT TOP FITTING SHROUD	ROTA-LIFT TOP FITTING NO SHROUD
G 1 1/4 1 1/4" BSP Parallel	20	10625	336	016
		10725		
G 1 1/2 1 1/2" BSP Parallel	20	10125	339	019
		11625		
R 1 1/2 1 1/2" BSP Taper	23	11725	340	020
		11125		

Example:

Ordering code **10625 339 3** is:-

Wirelocked Rota-lift type construction, 25mm bore with Downward Shroud, 1 1/2" BSP Parallel inle connection & Viton® seal.

Last digit of ordering code calls up **3** for Viton® seal (since this is the most universal type).

When other material is required, please contact Seetru for details.



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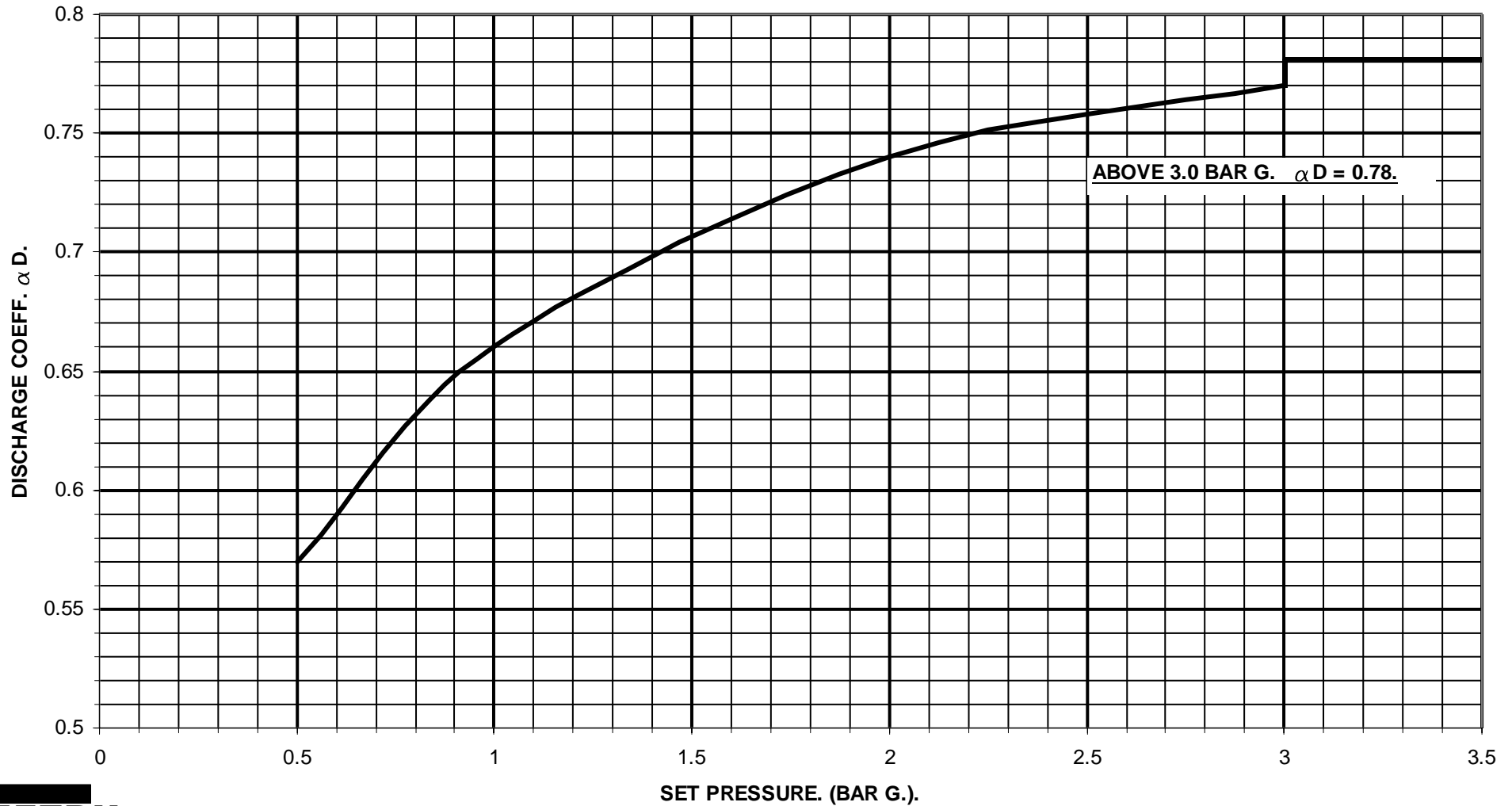
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SHEET 2 OF 3 SHEETS

DISCHARGE COEFFICIENT FOR VALVE 10625 BELOW 3.0 BAR G.



ABOVE 3.0 BAR G. $\alpha D = 0.78.$



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