

PARTS LIST & MATERIAL SPECIFICATION

ITEM	DESCRIPTION	MATERIAL
1	FLANGE	ST.STL.
2	INLET NOZZLE	ST.STL.
3	BODY	ST.STL.
4	DISC	ST.STL. 4408
5	BALL	ST.STL.
6	DISC HOLDER	ST.STL.
7	PLUNGER	ST.STL.
8	SPINDLE	ST.STL.
9	SPRING	ST.STL.
10	ADJUSTER	ST.STL.
11	OUTLET NOZZLE	ST.STL.
12	FLANGE	ST.STL.
13	O'RING	TO SUIT APPLICATION
14	CAP	ST.STL.
15	WIRE & LEAD SEAL	ST.STL. & LEAD

APPROVALS

P.E.D. 2014 /68 /EU
 Type examination module B, Cert No. 01 202 642-B-10017
 Quality Management system, module D, Cert. No. COV0812369 /01
 Designed in accordance with EN ISO 4126-1
 TÜV Approved:

TÜV.SV.**-1016.15.D/G.0,74.p. for 3-28 bar.g. Below 3 bar.g see ' α_w vs Set Pressure' chart.

TECHNICAL DATA

Relieving pressure = Set pressure +10% 0.1 bar.g below 1.0 bar.g
 Reseating pressure = Set pressure - 10% 0.3 bar.g below 3.0 bar.g
 Maximum set pressure = 28 bar.g
 Minimum set pressure = 0.3 bar.g
 Flow area = 177mm²
 Inlet bore diameter = 15mm
 TÜV allotted outflow coefficient α_w = 0.74
 TÜV allotted outflow coefficient α_w = Below 3.0 bar.g see ' α_w vs set pressure' chart.
 Leak tightness at 90% set pressure to API 527 and in accordance with EN ISO 4126-1
 Greater leak tightness may be achieved on request.
 Maximum temperature = 250°C Note: For sealed top fittings, max. temp. depends on seal material.
 Minimum temperature = -50°C subject to material specification.
 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.

APPROXIMATE WEIGHT 1" x 1 1/2" = 5.25kg

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

TYPE SL
 SEALED LEVER
 EASING GEAR

ALTERNATIVE TOP FITTING



TYPE SB
 SEALED BASIC
 NO EASING GEAR



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FLOW CHART
TO CALCULATE INTERMEDIATE FLOWS, SEE TECHNICAL INFORMATION SECTION.

SET PRESSURE Bar.g	0.3	0.5	1	2	3	4	5	6	7	8	9	10	15	20	25	28
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH EN ISO 4126-1, AIR AT 15°C AND 1013 mbar std. Litres/s	22.5	29.2	42.2	76.6	108	136	163	191	219	246	274	302	440	578	716	799
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH EN ISO 4126-1, STEAM Kg/h	61.3	79.7	120.8	204.2	296	372	447	523	598	674	749	825	1202	1580	1658	2184
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TUV, AIR AT 0°C AND 1013 mbar Normal m³/h	75.8	103.8	155.3	270.1	384	482	580	678	776	874	972	1070	1560	2049	2539	2833
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TUV, STEAM Kg/h	63.3	82.5	121.7	213.4	299	373	446	520	592	666	738	812	1174	1535	1900	2116

* DISCHARGING TO ATMOSPHERE

VALVE SELECTION CHART
FLANGE SIZES SHOWN, OTHER SIZES MAY BE AVAILABLE

INLET FLANGE CONNECTION	OUTLET FLANGE CONNECTION	ORDERING CODE	TOP FITTING CODE	
			SB	SL
ASME 1" CL150	1 1/2" CL150	94615 I	603	703
ASME 1" CL300			604	704
ASME 1" CL600			605	705
DN25 PN16	DN40 PN16	94615 P	609	709
DN25 PN25			610	710
DN25 PN40			611	711

Example:

Ordering code 94615 I 703 3 is an all Stainless Steel, Sealed Lever,

Type SL, ASME 1" CL150 inlet connection, 1 1/2" CL150 outlet connection, with Viton® seals.

O'RING SEAL CHART

O'RING MATERIAL	10th DIGIT	MAX. STATIC TEMP.°C	MIN. STATIC TEMP.°C
NITRILE	1	150	-30
VITON®	3	250	-20
SILICONE	4	250	-50
NEOPRENE	5	120	-40
E.PROPYLENE	6	150	-40

NOTE:

Digits 1 to 6, indicates the required O'ring material dependent on the maximum/minimum static temperature.

TYPE 94615 VALVES ARE NOT SUITABLE FOR CRYOGENIC SERVICE.



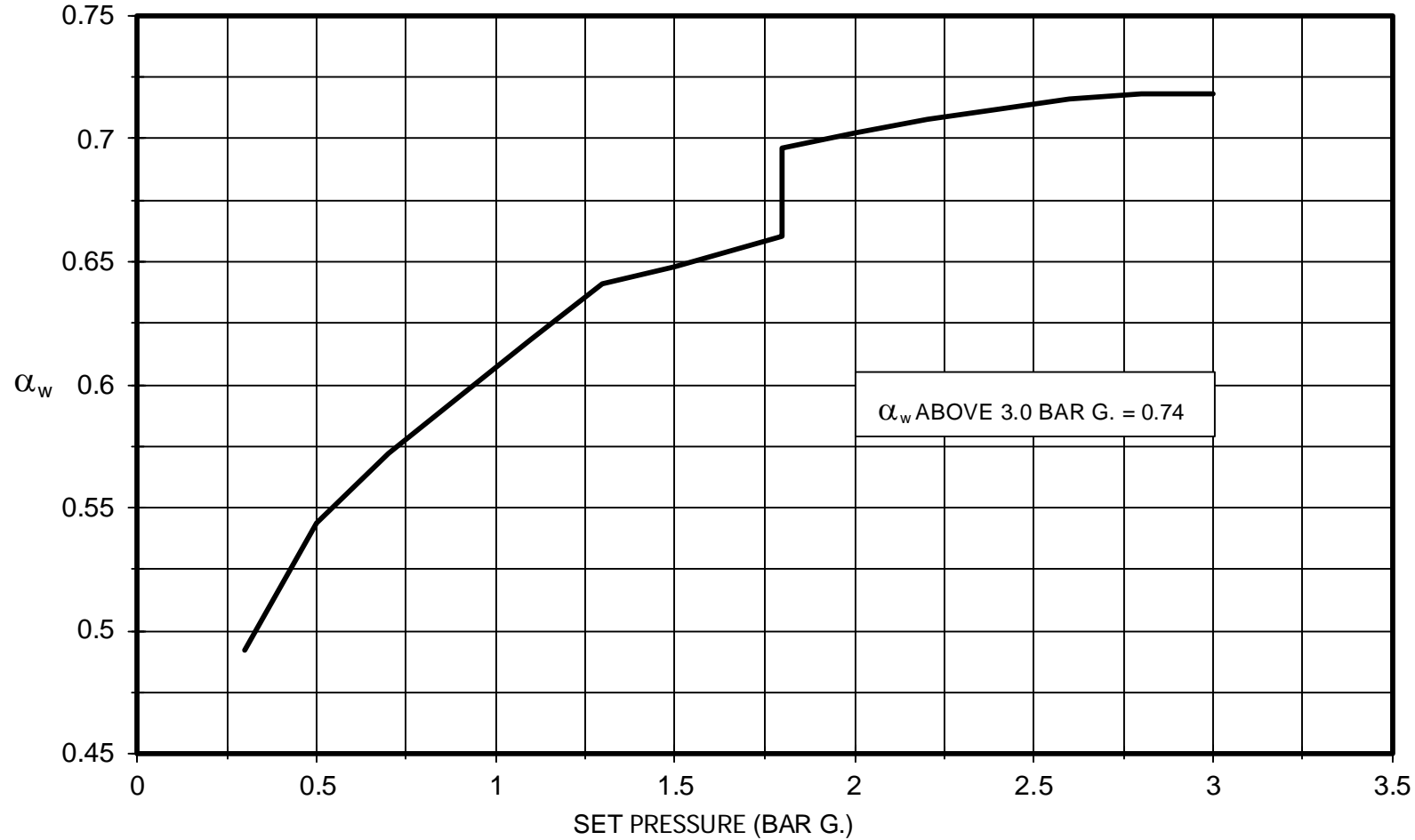
SEETRU LIMITED

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15mm NOMINAL BORE,
DIRECT SPRING LOADED ENCLOSED
METAL SEAL DISCHARGE SAFETY VALVE, FLANGED
FOR COMPRESSED GASES & STEAM

ENCLOSED DISCHARGE
15mm NOMINAL BORE
FLANGED CONNECTIONS
TYPE 94615 ST.STL.

α_w vs SET PRESSURE CHART
SEETRU SAFETY RELIEF VALVE 93615 / 94615.
0.3 to 3.0 BAR G.



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