

TYPE SL
SEALED LEVER
EASING GEAR

ALTERNATIVE TOP FITTING



TYPE SB
SEALED BASIC
NO EASING GEAR

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.



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.

SHEET 1 OF 3

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 m ³ /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.



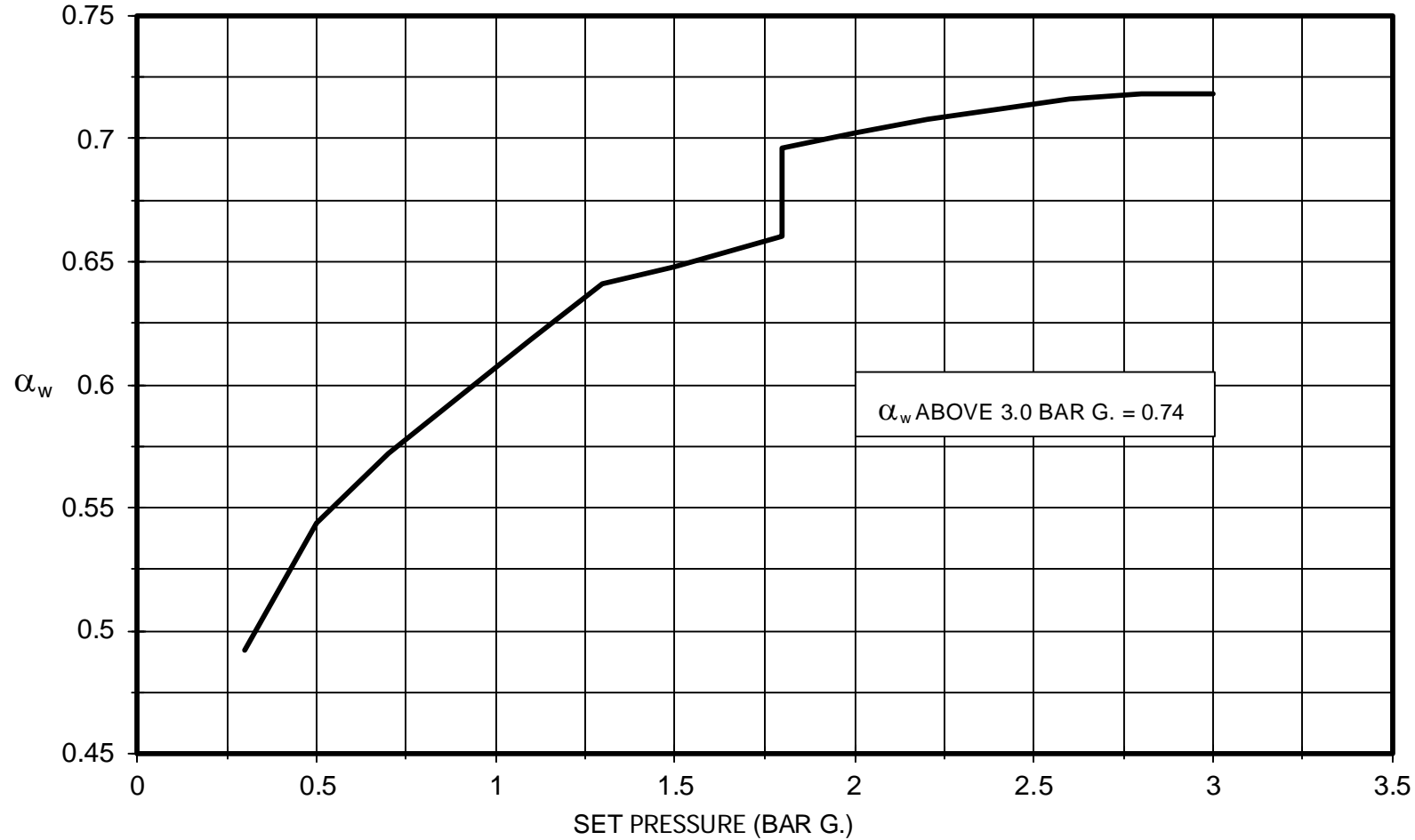
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α_w vs SET PRESSURE CHART
SEETRU SAFETY RELIEF VALVE 93615 / 94615.
0.3 to 3.0 BAR G.



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