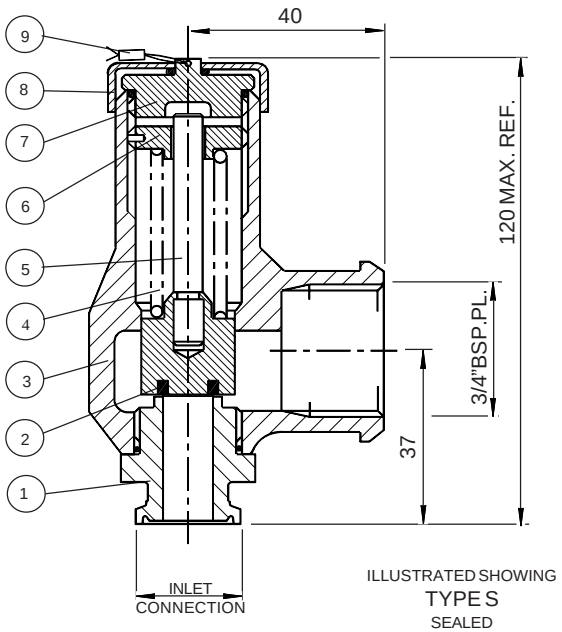
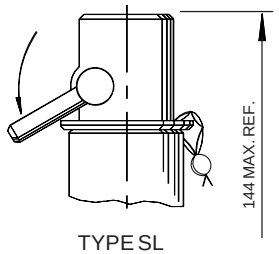


ILLUSTRATED SHOWING
TYPE S
SEALED
NO EASING GEAR

ALTERNATIVE TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

PARTS LIST AND MATERIAL SPECIFICATION

		64610, 64710, 64110
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4404 (316L)
2	PLUNGER/SEAL	ST.STL. BS EN 10088-3 1.4404 (316L) / TO SUIT APPLICATION
3	BODY	ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)
5	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)
6	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)
7	CAP	ST.STL. BS EN 10088-3 1.4401 (316)
8	COVER	ST.STL.
9	WIRE & SEAL	ST.STL & LEAD

APPROVALS

Ad-Merkblatt A2: (TÜV Germany), Ref- TÜV.SV.03-728.9,5.D/G.0,78.p.
P.E.D. 97/23/EC.
Type examination module B, Cert. No. 01 202 11-B-00016
Quality management system, module D, Cert. No. EDS 0002011/01
Designed in accordance with BS6759 & 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%	(0.3 Bar.g. below 1.55 Bar.g)
Reseating pressure	= Set pressure -10%	(0.3 Bar.g minimum)
Maximum set pressure	= 55.2 Bar.g	(12 Bar.g Steam)
	SUBJECT TO CLAMP PRESSURE RATING	
Minimum set pressure	= 0.48 Bar.g	(TÜV & A.S.M.E. 1.55 Bar.g)
Flow area	= 70.9 mm²	
Inlet bore diameter	= 9.5 mm	
BS Derated coefficient of discharge K_{dr}	= 0.78	
TÜV Derated coefficient of discharge α_d	= 0.78	
NB Certified rated slope	= 1.71 scfm/psia	
BS Minimum lift at 10% overpressure	= 3.5 mm	
Temperature Range	= 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, INSTALLATION AND OPERATION INSTRUCTIONS, CONVERSION FACTORS ETC. SEE TECHNICAL INFORMATION SECTION.

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CLEAN SERVICE 10mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE
FOR COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
10mm NOMINAL BORE SERIES M/2

TYPE 64610, 64710, 64110 ST.STL.

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FLOW CHART (P.E.D.) AIR

TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

FOR GREATER FLOWS REFER TO 13mm BORE TYPE 64613 DATA SHEET, FOR LOWER FLOWS REFER TO SEETRU.

	NOT TÜV APPROVED		PRESSURE RANGE												
SET PRESSURE Bar.g	0.48	1	1.55	2	3	4.5	5	10	15	20	30	33	40	50	55.2
RATED DISCHARGE * CAPACITY INACCORDANCE WITH BS EN 4126, AIR AT 15°C AND 1013 mbar Std. Litres/s	16	22	29	34	46	63	69	128	187	245	363	398	480	598	659
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h	55	79.5	102	121	162.4	224.5	245.3	452.4	659.5	866.7	1280.9	1405.2	1695.2	2109.5	2325

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

SET PRESSURE Psig	23	30	40	50	75	100	150	200	300	400	500	600	700	800
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH A.S.M.E. AIR AT 60°F AND 14.7 psia/scfm	70	82	100	119	166	213	307	401	589	777	966	1154	1342	1530

* DISCHARGING TO ATMOSPHERE

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

SET PRESSURE Bar.g	0.48	1	1.55	2	3	4	5	6	7	8	9	10	11	12
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126 STEAM Kg/hr	45	61	76	95	126	158	189	220	251	282	313	344	374	405
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TUV STEAM Kg/hr	-	-	79	93	125	157	189	220	253	285	316	348	380	412

VALVE SELECTION CHART

Standard seat sizes shown, other sizes may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
1/2" CLAMP	G 3/4 (3/4" BSP PARALLEL)	64610A 64710A 64110A	5748	5838
3/4" CLAMP			5758	5848
1" CLAMP			5768	5858

Example: Ordering code 64610A 5748 is St.Stl construction. Sealed, no easing gear, type S, with 1/2" Clamp inlet connection, 3/4" BSP parallel outlet connection with Perfluorelastomer (Isolast®) seals & wirelocked.

Seal material: Last digit of ordering code calls up Perfluorelastomer (Isolast®) seal.

When other material is required last digit changes to:

6. ETHYLENE PROPYLENE Temperature range (-40°C to 150°C)
8. PERFLUOROELASTOMER (ISOLAST®) Temperature range (-15°C to 190°C)

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

APPLICATION

1. Safety valve for food industry & other hygienic applications including clean steam & gas applications.
2. For protection of installations in which clean service is required only on the inlet.
   e.g. normal operation wetted parts.
3. Generally in accordance with 'ASME BPE 2005 Bioprocessing Equipment'.
4. Economic design giving small compact size, with high discharge capacities.
5. Elastomer soft sealing for high level sealing tightness at operating pressure, with minimum leakage for cost effective operation.

SURFACE FINISH

Process Contact Surface

In accordance with ASME BPE-2005 Table SF-5.

Surface designation R_a Max 15 µinches, 0.4 µm, Electropolished.

Other Surfaces

Not greater than 60 µinches, 1.5 µm.

SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.

Complaint to

1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

CONNECTIONS

Inlet

Tri-Clamp® compatable generally in accordance with ASME BPE 2005 & BS 4825-3.

Outlet

Pipe threads (G) where pressure tight joints are not made on the thread in accordance with BS EN ISO 228. For other threads & clamp connections consult Seetru.

VALVE TYPE OPTIONS:

64610 = TUV, B.S. (P.E.D.)
64710 = A.S.M.E. & N.B.
64110 = A.S.M.E. & N.B., TUV, B.S. (P.E.D.)

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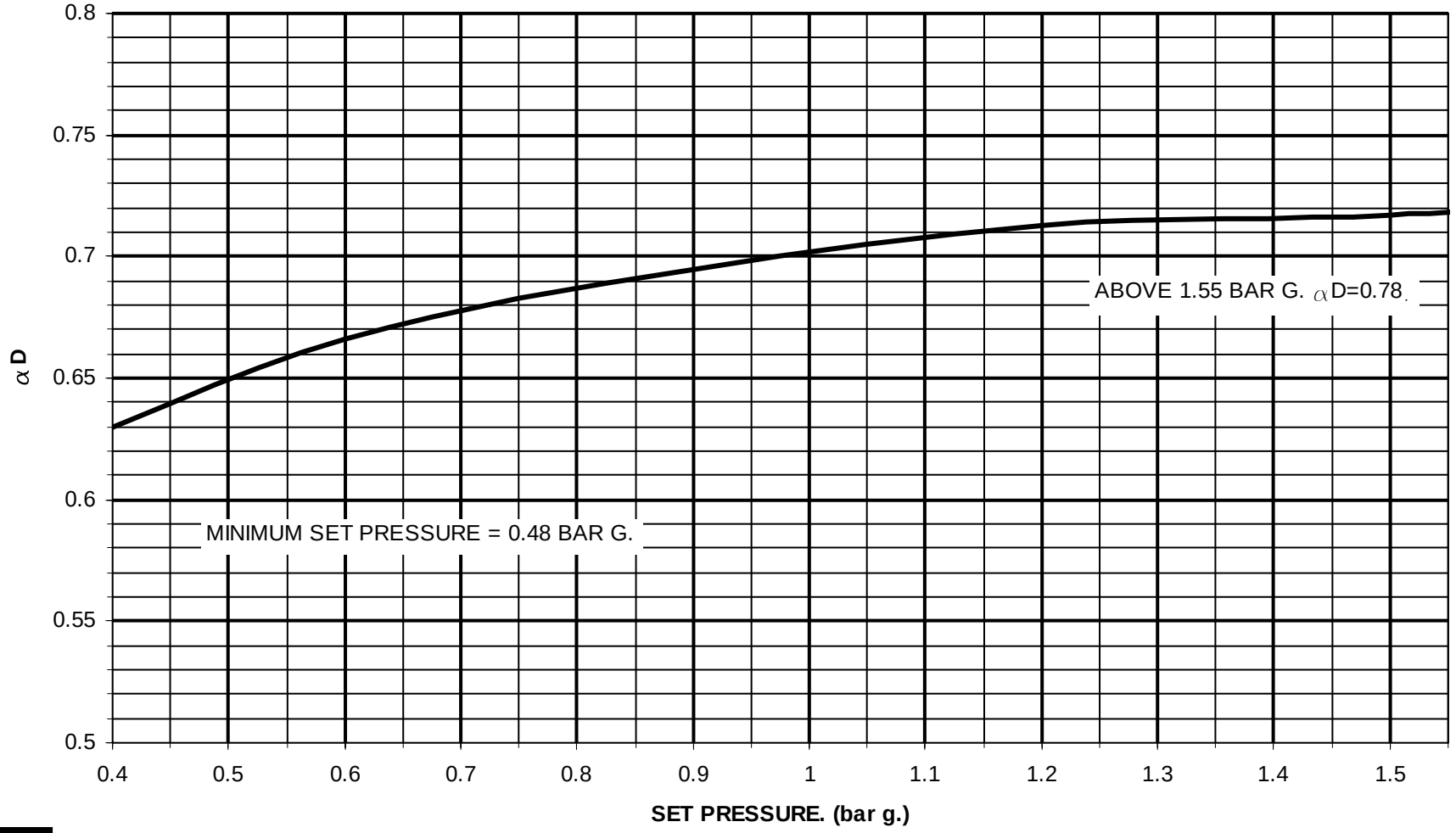
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DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE
FOR COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
10mm NOMINAL BORE SERIES M/2

TYPE 64610, 64710, 64110 ST.STL.

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DERRATED DISCHARGE COEFFICIENT FOR SET PRESSURES BELOW 1.55 BAR G.



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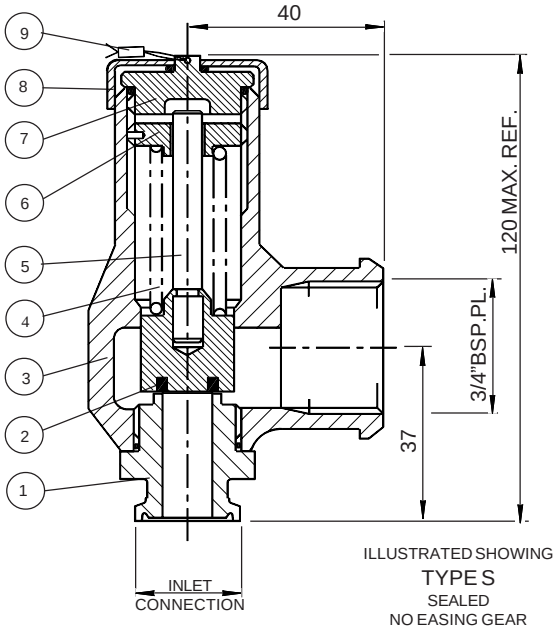
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FOR COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
10mm NOMINAL BORE SERIES M/2

TYPE 64610, 64710, 64110 ST.STL.

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PARTS LIST & MATERIAL SPECIFICATION

		68010
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4404 (316L)
2	PLUNGER/SEAL	ST.STL. BS EN 10088-3 1.4404 (316L) / TO SUIT APPLICATION
3	BODY	ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)
5	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)
6	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)
7	CAP	ST.STL. BS EN 10088-3 1.4401 (316)
8	COVER	ST.STL.
9	WIRELOCKING	ST.STL. & LEAD

APPROVALS

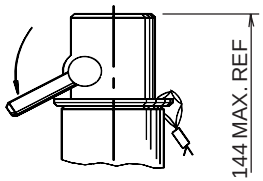
P.E.D. 97/23/EC
Type examination module B, Cert. No. 2002/048/8923
Quality management system module D, Cert. No. EDS 0002011/01.
Designed in accordance with BS 6759 & BS EN ISO 4126-1

TECHNICAL DATA

Relieving pressure	= Set pressure +25%
Reseating pressure	= Set pressure max -20% down to 3 Bar.g. = Below 3 Bar.g. = 0.6 Bar.g.
Maximum set pressure	= 30 Bar.g. SUBJECT TO CLAMP PRESSURE RATING
Minimum set pressure	= 0.76 Bar.g.
Flow area	= 70.9 mm²
Inlet bore diameter	= 9.5 mm
Derated coefficient of discharge K_{dr}	= 0.59
Temperature Range	= Subject to seal material.

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

ALTERNATIVE TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

SHT 1 OF 2 SHTS

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CLEAN SERVICE 10mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE
10mm NOM. BORE SERIES M/2
TYPE 68010 ST.STL.

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FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION C
- FOR GREATER FLOWS REFER TO 13mm BORE TYPE 68013 DATA SHEET, FOR LOWER FLOWS REFER TO SEETRU

SET PRESSURE Bar.g	0.76	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
RATED DISCHARGE *CAPACITY IN ACCORDANCE WITH BS6759 WATER AT 15°C (kg/hr)	2075	3367	4761	5831	6733	7528	8246	8907	9522	10100	10650	11170	11660	12140	12600	13040

* DISCHARGING TO ATMOSPHERE

VALVE SELECTION CHART

Standard seat sizes shown, other sizes may be available

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
1/2" CLAMP	G 3/4 (3/4" BSP PARALLEL)	68010A	5748	5838
3/4" CLAMP			5758	5848
1" CLAMP			5768	5858

Example: Ordering code 68010A 5748 is St.Stl. construction Sealed, no easing gear, type S, with 1/2" Clamp inlet connection, 3/4" BSP parallel outlet connection with Perfluoroelastomer (Isolast®) seals & wirelocked.
Seal material: Last digit of ordering code calls up Perfluoroelastomer (Isolast®) seal.
When other material is required last digit changes to:

6. ETHYLENE PROPYLENE Temperature (-40°C to 150°C)
7. PERFLUOROELASTOMER (ISOLAST®) Temperature (-15°C to 190°C)

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

APPLICATION

1. Safety valve for food industry & other hygienic applications including clean steam & gas applications.
2. For protection of installations in which clean service is required only on the inlet.
   e.g. normal operation wetted parts.
3. Generally in accordance with 'ASME BPE 2005 Bioprocessing Equipment'.
4. Economic design giving small compact size, with high discharge capacities.
5. Elastomer soft sealing for high level sealing tightness at operating pressure, with minimum leakage for cost effective operation.

SURFACE FINISH

Process Contact Surface
In accordance with ASME BPE-2005 Table SF-5.
Surface designation R_a Max 15 µinches, 0.4 µm, Electropolished.
Other Surfaces
Not greater than 60 µinches, 1.5 µm.

SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.
Complaint to

1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

CONNECTIONS

Inlet
Tri-Clamp® compatible generally in accordance with ASME BPE 2005 & BS 4825-3.
Outlet
Pipe threads (G) where pressure tight joints are not made on the thread in accordance with BS EN ISO 228. For other threads & Clamp connections consult Seetru.

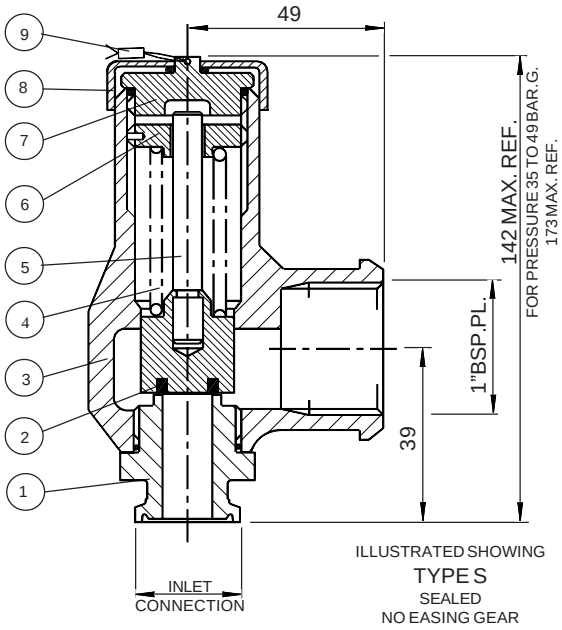
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ENCLOSED DISCHARGE
10mm NOM. BORE SERIES M/2
TYPE 68010 ST.STL.

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PARTS LIST & MATERIAL SPECIFICATION

		64613, 64713, 64113
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4404 (316L)
2	PLUNGER/SEAL	ST.STL. BS EN 10088-3 1.4404 (316L) / TO SUIT APPLICATION
3	BODY	ST.STL. BS EN 10283 1.4408 (316) SA-351 CF8M
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)
5	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)
6	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)
7	CAP	ST.STL. BS EN 10088-3 1.4401 (316)
8	COVER	ST.STL.
9	WIRE & SEAL	ST.STL & LEAD

APPROVALS

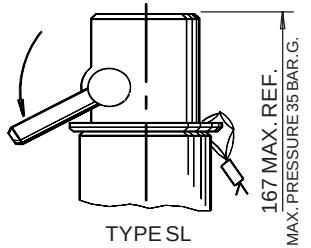
Ad-Merkblatt A2: (TÜV Germany) Ref - TÜV.SV.04-761.13,7.D/G.0,71.p.
P.E.D. 97/23/EC
Type examination module B, Cert. No. 01 202 111-B-00016
Quality management system module D, Cert. No. EDS 0002011/01
Designed in accordance with BS6759 & BS EN ISO 4126-1
Meeting the requirements of the A.S.M.E. Boiler & 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%	(0.3 Bar.g. below 1.4 Bar.g)
Reseating pressure	= Set pressure - 10%	(0.3 Bar.g. minimum)
Maximum set pressure	= 49 Bar.g	(12 Bar.g. Steam)
	SUBJECT TO CLAMP PRESSURE RATING	
Minimum set pressure	= 0.32 Bar.g	(TÜV & A.S.M.E. 1.4 Bar.g)
Flow area	= 147.4 mm²	
Inlet bore diameter	= 13.7 mm	
BS Derated coefficient of discharge K_{dr}	= 0.78	
TÜV Derated coefficient of discharge α_w	= 0.71	
BS Minimum lift at 10% overpressure	= 5.7 mm	
NB Certified rated slope	= 3.47 scfm/psia	
Temperature Range	= 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, INSTALLATION AND OPERATION INSTRUCTIONS, CONVERSION FACTORS ETC. SEE TECHNICAL INFORMATION SECTION.

ALTERNATIVE TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

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DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE
FOR COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
13mm NOMINAL BORE SERIES M/2

TYPE 64613, 64713, 64113 ST.STL.

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FLOW CHART (P.E.D.)

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION.
- FOR GREATER FLOWS REFER TO SEETRU, FOR LOWER FLOWS REFER TO 64610 DATA SHEET

	NOT APPROVED		APPROVED PRESSURE RANGE													
SET PRESSURE Bar.g	0.32	1	1.4	2	3	4	5	6	7	8	9	10	20	30	40	49
RATED DISCHARGE * CAPACITY INACCORDANCE WITH BS EN 4126 AIR AT 15°C AND 1013 mbar Std. Litres/s	27	47	56	71	95	120	144	169	193	217	242	266	508	752	995	1214
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h	86	150.6	182	229	307.5	385.9	464.3	542.7	621.2	699.6	778	856.5	1641	2425	3209	3915

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

SET PRESSURE Psig	20	30	40	50	60	70	80	90	100	150	200	250	300	400	500	600	700	710
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH ASME AIR AT 60°F AND 14.7 psia/scfm	131	166	204	242	280	318	356	395	433	624	814	1005	1196	1578	1960	2341	2723	2761

* DISCHARGING TO ATMOSPHERE

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

SET PRESSURE Bar.g	0.32	1	1.4	2	3	4	5	6	7	8	9	10	11	12
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126 STEAM Kg/hr	71	116	140	179	239	298	358	417	475	534	592	651	709	767
RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TUV STEAM Kg/hr	-	116	140	176	237	297	358	418	478	539	599	660	720	780

VALVE SELECTION CHART

Standard seat sizes shown, other sizes may be available.

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
3/4" CLAMP	G 1 (1" BSP PARALLEL)	64613A 64713A 64113A	5758	5848
1" CLAMP			5768	5858

Example: Ordering code 64613A 5758 is St.Stl. construction Sealed, no easing gear, type S, with 3/4" Clamp inlet connection, 1" BSP parallel outlet connection with Perfluoroelastomer (Isolast®) seals & wirelocked.
Seal material: Last digit of ordering code calls up Perfluoroelastomer (Isolast®) seal.
When other material is required last digit changes to:

6. ETHYLENE PROPYLENE Temperature range (-40°C to 150°C)
8. PERFLUOROELASTOMER (ISOLAST®) Temperature range (-15°C to 190°C)

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

APPLICATION

1. Safety valve for food industry & other hygienic applications including clean steam & gas applications.
2. For protection of installations in which clean service is required only on the inlet.
   e.g. normal operation wetted parts.
3. Generally in accordance with 'ASME BPE 2005 Bioprocessing Equipment'.
4. Economic design giving small compact size, with high discharge capacities.
5. Elastomer soft sealing for high level sealing tightness at operating pressure, with minimum leakage for cost effective operation.

SURFACE FINISH

Process Contact Surface

In accordance with ASME BPE-2005 Table SF-5.
Surface designation R_a Max 15 µinches, 0.4 µm, Electropolished.

Other Surfaces

Not greater than 60 µinches, 1.5 µm.

SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.
Complaint to

1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

CONNECTIONS

Inlet

Tri-Clamp® compatible generally in accordance with ASME BPE 2005 & BS 4825-3.

Outlet

Pipe threads (G) where pressure tight joints are not made on the thread in accordance with BS EN ISO 228. For other threads & clamp connections consult Seetru.

VALVE TYPE OPTIONS:

64613 = TUV, B.S. (P.E.D.)
64713 = A.S.M.E. & N.B.
64113 = A.S.M.E. & N.B., TUV, B.S. (P.E.D.)

SHEET 2 OF 2 SHEETS.

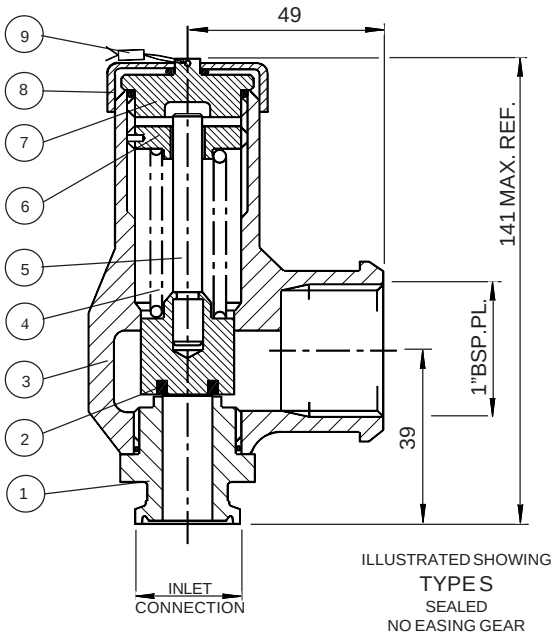
SEETRU LIMITED
ALBION DOCKSIDE WORKS, BRISTOL. BS1 6UT
TELEPHONE +44 (0) 117 927 9204, FAX +44 (0) 117 929 8193
www.seetru.com enquires@seetru.com

CLEAN SERVICE 13mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE
FOR COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
13mm NOMINAL BORE SERIES M/2

TYPE 64613, 64713, 64113 ST.STL.

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ILLUSTRATED SHOWING
TYPE S
SEALED
NO EASING GEAR

PARTS LIST & MATERIAL SPECIFICATION

		68013
1	INLET SEAT	ST.STL. BS EN 10088-3 1.4404 (316L)
2	PLUNGER/SEAL	ST.STL. BS EN 10088-3 1.4404 (316L) / TO SUIT APPLICATION
3	BODY	ST.STL. BS EN 10288-3 1.4408 (316) SA-351 CF8M
4	SPRING	ST.STL. BS EN 10270-3 1.4310 (302)
5	SPINDLE	ST.STL. BS EN 10088-3 1.4057 (431)
6	ADJUSTER	ST.STL. BS EN 10088-3 1.4401 (316)
7	CAP	ST.STL. BS EN 10088-3 1.4401 (316)
8	COVER	ST.STL.
9	WIRELOCKING	ST.STL. & LEAD

TECHNICAL DATA

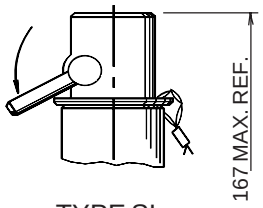
P.E.D. 97/23/EC
Type examination module B, Cert. No. 2002/043/8923.
Quality management system module D, Cert. No. EDS 0002011/01.
Designed in accordance with BS 6759 & BS EN ISO 4126-1

TECHNICAL DATA

Relieving pressure	= Set pressure +25%
Reseating pressure	= Set pressure - max 20% down to 3 Bar.g.
	= Below 3 Bar.g. = 0.6 Bar.g.
Maximum set pressure	= 27 Bar.g. SUBJECT TO CLAMP PRESSURE RATING
Minimum set pressure	= 0.7 Bar.g.
Flow area	= 147.4 mm²
Inlet bore diameter	= 13.7 mm
Derated coefficient of discharge K_{dr}	= 0.57
Temperature Range	= Subject to seal material.

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

ALTERNATIVE TOP FITTING



TYPE SL
SEALED LEVER
EASING GEAR

SHT 1 OF 2 SHTS

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CLEAN SERVICE 13mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE FOR LIQUIDS

ENCLOSED DISCHARGE
13mm NOM. BORE SERIES M/2
TYPE 68013 ST.STL.

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FLOW CHART

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION C.
- FOR GREATER FLOWS REFER TO SEETRU, FOR LOWER FLOWS REFER TO 10mm BORE TYPE 67010 DATA SHEET

SET PRESSURE Bar.g	0.7	2	4	6	8	10	12	14	16	18	20	22	24	26	27
RATED DISCHARGE * CAPACITY INACCORDANCE WITH BS 6759, WATER AT 15°C (kg/hr)	3764	6759	9560	11708	13519	15116	16558	17885	19119	20279	21376	22419	23416	24372	24837

* DISCHARGING TO ATMOSPHERE

VALVE SELECTION CHART

Standard seat sizes shown, other sizes may be available.

INLET CONNECTION	OUTLET CONNECTION	ORDERING CODE	TOP FITTING CODE	
			S	SL
3/4" CLAMP	G 1 (1" BSP PARALLEL)	68013A	5758	5848
1" CLAMP			5768	5858

Example: Ordering code 68013A 5758 is St.Stl. construction Sealed, no easing gear, type S, with 3/4" Clamp inlet connection, 1"BSP parallel outlet connection with Perfluoroelastomer (Isolast®) seals & wirelocked.
Seal material: Last digit of ordering code calls up Perfluoroelastomer (Isolast®) seal.
When other material is required last digit changes to:

6. ETHYLENE PROPYLENE Temperature (-40°C to 150°C)
7. PERFLUOROELASTOMER (ISOLAST®) Temperature (-15°C to 190°C)

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

APPLICATION

1. Safety valve for food industry & other hygienic applications including clean steam & gas applications.
2. For protection of installations in which clean service is required only on the inlet.
   e.g. normal operation wetted parts.
3. Generally in accordance with 'ASME BPE 2005 Bioprocessing Equipment'.
4. Economic design giving small compact size, with high discharge capacities.
5. Elastomer soft sealing for high level sealing tightness at operating pressure, with minimum leakage for cost effective operation.

SURFACE FINISH

Process Contact Surface
In accordance with ASME BPE-2005 Table SF-5.
Surface designation R_a Max 15 µinches, 0.4 µm, Electropolished.
Other Surfaces
Not greater than 60 µinches, 1.5 µm.

SEAL MATERIAL

Elastomer soft sealing specifically developed for food & pharmaceutical industries.
Complaint to

1. FDA 21 CFR 177.2600
2. United States Pharmacopoeia (USP) Class VI
3. SP3A Sanitary Standards for Multiple Use Rubber Dairy Equipment No 18-03.

CONNECTIONS

Inlet
Tri-Clamp® compatible generally in accordance with ASME BPE 2005 & BS 4825-3.
Outlet
Pipe threads (G) where pressure tight joints are not made on the thread in accordance with BS EN ISO 228. For other threads & clamp connections consult Seetru.

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SHT 2 OF 2 SHTS

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