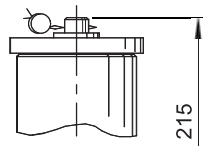
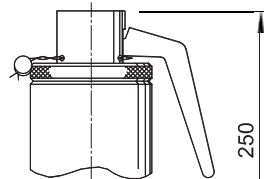


ILLUSTRATED SHOWING
TYPE R
ROTA-LIFT
EASING GEAR

ALTERNATIVE TOP FITTINGS



TYPE SB
SEALED
NO EASING GEAR



TYPE L
LEVER
NON-SEALED
EASING GEAR

(OPTION NOT AVAILABLE FOR
64620 & 65620 TYPE VALVES)

PARTS LIST & MATERIAL SPECIFICATION

| | 63620, 63720, 63120 | 64620, 64720, 64120 * | 65620, 65720, 65120 * |
|-----------------|---|---|---|
| 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 12164 CW602N |
| 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. | ALUMINIUM |
| 11 WIRE & SEAL | ST.STL. & LEAD | | |

* 64620 & 65620 TYPE VALVES, SEE 'TYPE L' OPTION NOTES

APPROVALS

AD 2000-Merkblatt A2: (TÜV GERMANY) Ref - TÜV.SV.**-892.20.D/G. α_w .p

Designed in accordance with BS EN ISO 4126-1.

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

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% | (0.3 Bar.g minimum) |
| Maximum set pressure | = 35 Bar.g | (12 Bar.g. Steam) |
| Minimum set pressure | = 3 Bar.g | |
| Flow area | = 314mm ² | |
| Inlet bore diameter | = 20mm | |
| Derated coefficient of discharge K_{dr} | = 0.8 | |
| TÜV allotted outflow coefficient α_w | = 0.76 from 3.0 to 22.0 Bar.g | |
| | = 0.80 from 22.0 to 35.0 Bar.g | |
| NB Certified rated slope | = 7.77 scfm/psia | |
| Minimum lift at 10% overpressure | = 5.0 mm | |
| 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, INSTALLATION AND OPERATION INSTRUCTIONS ETC. | | |
| SEE TECHNICAL INFORMATION SECTION. | | |

SHEET 1 OF 2 SHEETS.



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS16 6UT

TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193

www.seetru.com info@seetru.com

20mm Nominal Bore
DIRECT SPRING LOADED ENCLOSED
DISCHARGE SAFETY VALVE FOR
COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
20mm NOMINAL BORE SERIES M/2
TYPE 63620, 63720, 63120 BRASS
TYPE 64620, 64720, 64120 ST.STL.
TYPE 65620, 65720, 65120 BRASS/ST.STL.

FLOW CHART (P.E.D.)

- TO CALCULATE INTERMEDIATE FLOWS SEE TECHNICAL INFORMATION SECTION

- FOR GREATER FLOWS REFER TO 25mm BORE TYPE 63625 DATA SHEET, FOR LOWER FLOWS REFER TO 18mm BORE 63618 DATA SHEET

| SET PRESSURE Bar.g | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 20 | 22 | 22.1 | 30 | 35 |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126, AIR AT 15°C AND 1013 mbar Std. Litres/s | 208 | 262 | 315 | 368 | 422 | 475 | 528 | 582 | 1115 | 1222 | 1227 | 1648 | 1915 |
| RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV, AIR AT 0°C AND 1013 mbar Normal m³/h | 701.4 | 880.3 | 1059.2 | 1238.2 | 1417.0 | 1596.0 | 1774.9 | 1953.8 | 3742.8 | 4100.6 | 4335.3 | 5823.0 | 6764.6 |

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

| SET PRESSURE Psig | 44 | 50 | 60 | 70 | 80 | 90 | 100 | 150 | 200 | 300 | 400 | 500 | 507 |
|---|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH A.S.M.E. AIR AT 60°F AND 14.7 psia/scfm | 490 | 542 | 627 | 713 | 798 | 883 | 969 | 1396 | 1824 | 2678 | 3533 | 4388 | 4448 |

* DISCHARGING TO ATMOSPHERE

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

| SET PRESSURE Bar.g | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--|-----|-----|-----|-----|------|------|------|------|------|------|
| RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH BS EN 4126 STEAM Kg/hr | 545 | 681 | 816 | 950 | 1084 | 1218 | 1351 | 1485 | 1617 | 1749 |
| RATED DISCHARGE * CAPACITY IN ACCORDANCE WITH TÜV STEAM Kg/hr | 540 | 678 | 816 | 953 | 1091 | 1229 | 1367 | 1505 | 1642 | 1780 |

VALVE TYPE OPTIONS:

63620, 64620, 65620 = TÜV, B.S. (P.E.D.)
 63720, 64720, 65720 = A.S.M.E. & N.B.
 63120, 64120, 65120 = A.S.M.E. & N.B., TÜV, 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" BSP PARALLEL) | G 2 (2" BSP PARALLEL) | 63620A 63720A 63120A 64620A 64720A 64120A 65620A 65720A 65120A | 3323 | 2133 | 1333 |
| R 1 (1" BSP TAPER) | | | 3343 | 2143 | 1343 |
| 1" NPT | | | 3353 | 2153 | 1353 |
| G 1 1/4 (1 1/4" BSP PARALLEL) | | | 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 |

Example:

Ordering code 63620A 216 3 is Rotalift, Type R with 1 1/4" BSP Parallel inlet connection. 2" BSP Parallel outlet connection with Viton® seals and wirelocked.

* 'TYPE L' OPTION NOT AVAILABLE FOR 64620 & 65620 TYPE VALVES.

Seal material:

Last digit of ordering code calls up Viton® 'O' ring seal (since this is the most universal type). When other material is required this 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.



SEETRU LIMITED

ALBION DOCKSIDE WORKS, BRISTOL. BS16 6UT
 TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193
 www.seetru.com info@seetru.com

20mm Nominal Bore
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR
 COMPRESSED AIR, GASES & STEAM

SHEET 2 OF 2 SHEETS.

ENCLOSED DISCHARGE
 20mm NOMINAL BORE SERIES M/2
 TYPE 63620, 63720, 63120 BRASS
 TYPE 64620, 64720, 64120 ST.STL.
 TYPE 65620, 65720, 65120 BRASS/ST.STL.

REVISION LOG FOR 63620, 63720, 63120 & 64 & 65 VERSIONS

EDITION: 0

| Date | Letter | Details of change. | |
|----------|--------|---|----------------------|
| 01.10.91 | A | First issue with D.O. verification. Produced on desk top publishing equipment. Valve not yet approved. | |
| 16.10.91 | B | The word 'INERT' removed from the title. | |
| 21.05.92 | C | Main diagram updated in line with drawing from the D.O. Pressure range was 2 - 34.5 bar.g. | |
| 30.10.92 | D | 'Reduced Flow' note changed, was 63613 now 63618. TUV approval added. 'Alpha w' changed, flow chart altered to suit. | |
| 04.03.93 | E | Stainless Steel seat, inner & outer plunger option added, 65620. Selection chart & parts list changed to suit. | |
| 21.11.96 | F | Flow chart corrected. Data Sheet updated & produced by the Design Office. | Mod. Request DS-042. |
| 13.10.97 | G | All 'St.Stl.' valve 64620 added to Data Sheet. Parts list, Valve selection chart & title box's altered to suit. | Mod. Request DS-078. |
| 15.05.00 | H | 'Ad - Merkblatt A2' date was 1993 now 1998, TUV date was '92, now '97. 'Preferred Type' - removed from ' TYPE R ' text. Rota-lift pictorally corrected. | Mod. Request DS-124. |
| 31.08.00 | I | Parts List ~ 63620 & 65620, Body was 'Gunmetal' now 'St.Stl.'. Lever lift top option added to view and 'V.S. Chart'. 'Statement on amendment of specification' added to template. | Mod. Request DS-129. |
| 24.09.02 | J | P.E.D. Approvals added to list. Hanover Place removed from address. Web site & e-mail address' & copyright note, added to template. Sheet 2 added for more space. Item 5 for 636 & 656 was St.Stl. now Bronze. | Mod. Request DS-177. |
| 22.05.06 | K | Tech. Data: 'Relieving & Reseating pressures = Set pressure'. Valve type options 63720, 63120, 64 & 65 types also added. A.S.M.E. & National Board approval, flow's & Tech. Data, added. Flow chart moved to Sht2. Material spec's added to List of Parts. TUV date was '97 now '03. 'Steam' added to title, Steam table added to sheet 2. Perfluoroelastomer option added to V.S.Chart. | Mod. Request DS-249. |
| 22.03.12 | L | Notes added to Type L option 'OPTION NOT AVAILABLE FOR 64620 & 65620 TYPE VALVES'. '**' note added to List of Parts options [Sht1]. Note also added to VSC Chart [Sht2] and option notes below. TUV Date updated from '03 to '07. Temperature was -20°C now -30°C, Nitrile seals. Type S updated to Type SB , in Alternative options and in the VSC Chart, also updated to show additional thread connections available. Option ' BV ' Basic Valve removed, as Sealed Basic is standard option. Alternative top view of Type L , updated to new design and length corrected from 227 to 250. | MOD6412 MOD6913 |
| 28.08.14 | M | TUV date updated, was '07 now '12. Update to Type examination module B, Cert. No. was 01 202 111-B-00016 now 01 202 111-B-10016 . | |
| 10.08.16 | N | Update certifications, PED was 97/23/EC now 2014/68/EU. Module D Cert No. was EDS 0002011/01 now COV0812369/01. TUV date now '***'. Seetru phone number & email updated. Tech Data wording corrected from 'TUV derated coefficient of discharge' to 'TUV alloted outflow coefficient' | MOD7217 |
| 10.11.20 | O | Type examination module B Cert No. was 01 202 111-B-10016 now 01 202 642-B-10015. | MOD 7801 |



SEETRU LIMITED
 ALBION DOCKSIDE WORKS, BRISTOL. BS16 6UT
 TELEPHONE +44 (0) 117 930 6100, FAX +44 (0) 117 929 8193
 www.seetru.com info@seetru.com

20mm Nominal Bore
 DIRECT SPRING LOADED ENCLOSED
 DISCHARGE SAFETY VALVE FOR
 COMPRESSED AIR, GASES & STEAM

ENCLOSED DISCHARGE
 20mm NOMINAL BORE SERIES M/2
 TYPE 63620, 63720, 63120 BRASS
 TYPE 64620, 64720, 64120 ST.STL.
 TYPE 65620, 65720, 65120 BRASS/ST.STL.