



Pilot-Operated Unloading Valve

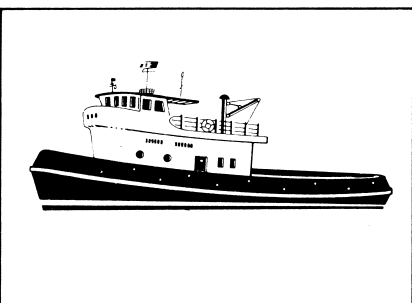
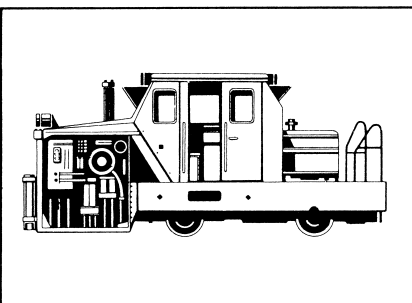
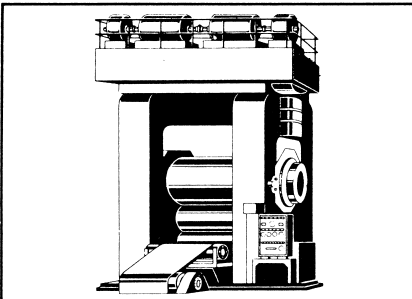
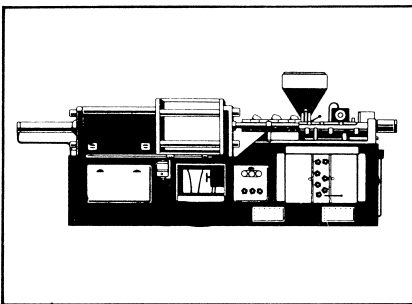
Series R1U

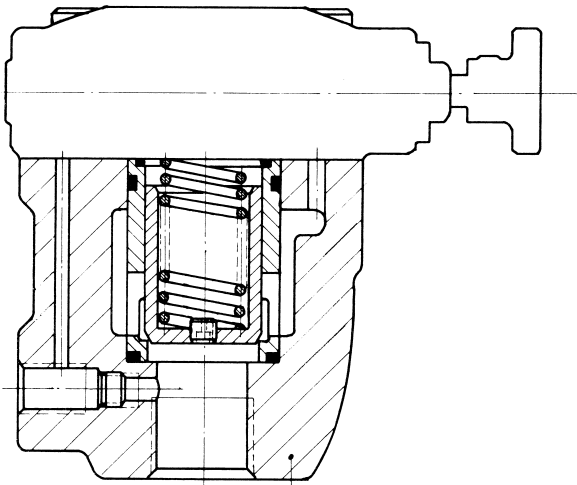
Vorgesteuertes Entlastungsventil

Baureihe R1U

Valve de Mise à Vide à Commande Pilote

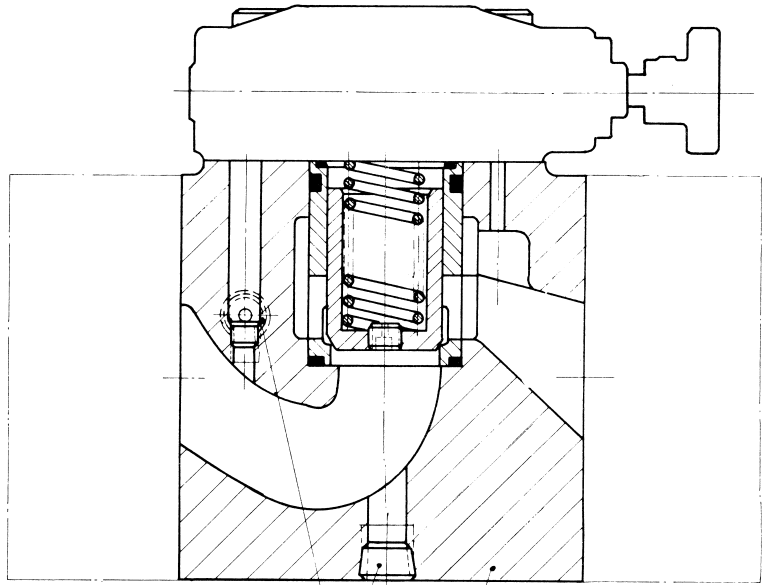
Série R1U





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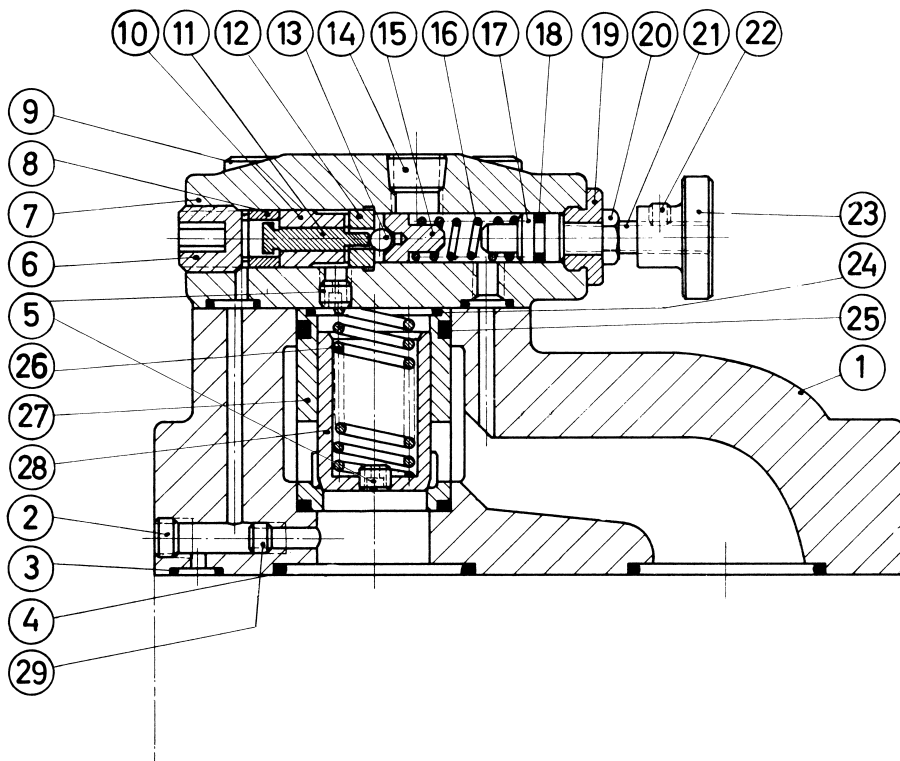
Threaded Body
Gewindekörper
Corps taraudé



14

1

Flanged Body
Flansch-Ausführung
Type à brides



Subplate Body / Plattenaufbau / Plaque de base

- * Attention: Set screw no. 312-23104, item 6 LOCTITE in position
- * Achtung: Schraube Nr. 312-23104, Pos. 6 bei Montage mit LOCTITE versehen
- * Attention: Application de LOCTITE lors du montage de la vis no. 312-23104, repère 6

Details on Vent Valve VV01 see Service Information No. S 10-T 493
 Einzelheiten über Entlastungsventil VV01 siehe Service Information S 10-T 493
 Détails sur la valve de mise à vide VV01 voir Service Information S 10-T 493

| Item Pos. Réf. | Description | Benennung | Description | Part No. Code | Qty. Stück Qté. |
|----------------|---|---|--|---------------|-----------------|
| 1 | Body thrd. ¼" NPTF | Gehäuse ¼" NPTF (Gewindeanschluß) | Corps (tarauté) ¼" NPTF | 036-24392 | 1 |
| | Body thrd. ¼" BSP | Gehäuse R ¼" (Gewindeanschluß) | Corps (tarauté) ¼" BSP | 036-35113 | 1 |
| | Body subplate ¼" | Gehäuse ¼" (Plattenaufbau) | Corps (plaque de base) ¼" | 036-24393 | 1 |
| | Body thrd. 1½" NPTF | Gehäuse 1½" NPTF (Gewindeanschluß) | Corps (tarauté) 1½" NPTF | 036-43691 | 1 |
| | Body thrd. 1½" BSP | Gehäuse R 1½" (Gewindeanschluß) | Corps (tarauté) 1½" BSP | 036-32894 | 1 |
| | Body subplate 1½" | Gehäuse 1½" (Plattenaufbau) | Corps (plaque de base) 1½" | 036-24397 | 1 |
| | Body subplate 2" | Gehäuse 2" (Plattenaufbau) | Corps (plaque de base) 2" | 036-24401 | 1 |
| | Body flanged 2" | Gehäuse 2" (Flanschbefest.) | Corps (avec des brides) 2" | 036-24402 | 1 |
| 2 | Soc. pipe plug ⅝" NPTF (Subplate body only) | Stopfen ⅝" NPTF (Nur bei Plattenaufbau) | Bouchon ⅝" NPTF (plaque de base seul.) | 431-90204 | 1 |
| 3 | O-Ring | Runddichtring | O-Ring | 691-00013 | |
| | Body subplate | Plattenaufbau | Plaque de base | | 3 |
| | Body thrd. | Gewindekörper | Corps taraudé | | 2 |
| | Body flanged | Flanschbau | Corps avec des brides | | 2 |
| 4 | O-Ring (¾"-Valves) (Subplate body only) | Runddichtring (¾"-Ventile) (Nur Plattenaufbau) | O-Ring (¾"-Soupapes) (Plaque de base seul.) | 691-00215 | 2 |
| | O-Ring (1½"-Valves) (Subplate body only) | Runddichtring (1½"-Ventile) (Nur Plattenaufbau) | O-Ring (1½"-Soupapes) (Plaque de base seul.) | 691-00221 | 2 |
| | O-Ring (2"-Valves) (Subplate body only) | Runddichtring (2"-Ventile) (Nur Plattenaufbau) | O-Ring (2"-Soupapes) (Plaque de base seul.) | 691-00224 | 2 |
| 5 | Orifice plug | Drosselstopfen | Orifice calibré | 036-25528 | 2 |
| 6 | S.H. set screw* | Schraube* | Vis* | 312-23104 | 1 |
| 7 | Cap ¼" NPTF | Vorsteuergehäuse ¼" NPTF | Chapeau ¼" NPTF | 036-27545 | 1 |
| | Cap ¼" BSP | Vorsteuergehäuse R ¼" | Chapeau ¼" BSP | 036-35245 | 1 |
| | Cap ¼" NPTF V302 | Vorsteuergehäuse ¼" NPTF V302 | Chapeau ¼" NPTF V302 | 036-33503 | 1 |
| | Cap ¼" BSP V302 | Vorsteuergehäuse R ¼" V302 | Chapeau ¼" BSP V302 | 036-33504 | 1 |
| 8 | Spacer | Hülse | Entretoise | 036-27548 | 1 |
| 9 | S. H. set screw | Schraube | Vis | 359-15220 | 4 |
| | S. H. set screw (with VV01 only) | Schraube (nur mit VV01) | Vis (avec VV01 seulem.) | 359-15330 | 4 |
| 10 | Control block | Steuerhülse | Élément de contrôle | 036-11710 | 1 |
| 11 | Control piston | Steuerkolben | Piston | 036-14679 | 1 |
| 12 | Seat | Ventilsitz | Siège | 036-11692 | 1 |
| 13 | Ball | Kugel | Bille | 201-08001 | 1 |
| 14 | Soc. pipe plug ¼" NPTF | Stopfen ¼" NPTF | Bouchon ¼" NPTF | 431-90400 | |
| | Body subplate | Plattenaufbau | Plaque de base | | 1 |
| | Body thrd. | Gewindekörper | Corps (tarauté) | | 1 |
| | Body flanged | Flanschbau | Corps (avec des brides) | | 3 |
| 14A | Plug ¼" BSP | Stopfen R ¼" | Bouchon ¼" BSP | 700-71661 | |
| | Subplate body | Plattenaufbau | Plaque de base | | 1 |
| | Thrd. body | Gewindekörper | Corps taraudé | | 1 |
| | Flanged body | Flanschbau | Corps avec des brides | | 3 |
| 14B | Seal | Dichtring | Joint | 700-70115 | |
| | Subplate body | Plattenaufbau | Plaque de base | | 1 |
| | Thrd. body | Gewindekörper | Corps taraudé | | 1 |
| | Flanged body | Flanschbau | Corps avec des brides | | 3 |
| 15 | Ball support | Kugelsitz | Siège de bille | 036-11697 | 1 |
| 16 | Spring 100-1500 psi | Feder 7-105 bar | Ressort 7-105 bar | 036-13244 | 1 |
| | Spring 1000-3000 psi | Feder 70-210 bar | Ressort 70-210 bar | 036-13245 | 1 |
| | Spring 2500-5000 psi | Feder 175-350 bar | Ressort 175-350 bar | 036-12289 | 1 |
| 17 | Seal piston | Dichtkolben | Piston d'étanchéité | 036-21767 | 1 |
| 18 | O-Ring | Runddichtring | O-Ring | 671-00012 | 1 |
| 19 | Adjusting plug | Gewindestopfen | Bouchon fileté | 036-21765 | 1 |
| 20 | Hex. nut | Mutter | Ecrou de blocage | 333-13001 | 1 |
| 21 | S. H. set screw | Spindel | Vis de réglage | 312-13200 | 1 |
| 22 | S. H. set screw | Schraube | Vis de blocage | 312-09041 | 1 |
| 23 | Control knob | Handrad | Bouton moleté | 036-24504 | 1 |
| 24 | O-Ring | Runddichtring | O-Ring | 691-00026 | 1 |
| 25 | O-Ring | Runddichtring | O-Ring | 691-00125 | 2 |
| 26 | Piston spring | Kolbenfeder | Ressort | 036-27547 | 1 |
| 27 | Sleeve | Hülse | Fournure | 036-27549 | 1 |
| 28 | Piston | Kolben | Piston | 036-27550 | 1 |
| | Piston V247 | Kolben V247 | Piston V247 | 036-32902 | 1 |
| 29 | Soc. pipe plug ⅝" NPTF | Stopfen ⅝" NPTF | Bouchon ⅝" NPTF | 431-90104 | 1 |
| | Not shown: | Nicht gezeichnet: | Non représenté: | | |
| | O-Ring (for flanges) | Runddichtring (f. Flansche) | O-Ring (pour brides) | 691-00227 | 2 |
| | O-Ring (f. 2" soc. weld. flanges) | Runddichtring (f. 2" Schweißl.) | O-Ring (pour brides à souder 2") | 691-00228 | |
| | Modifications: | Modifications: | Modifications: | | |
| | Acorn nut V302 | Hutmutter V302 | Chapeau V302 | 036-33474 | 1 |
| | Lock adjustment V328 | Schloßverstellung V328 | Reglage par serrure V328 | S16-34509 | 1 |

Model Code – Typenschlüssel – Désignation Type

| Model No.: | Typenbezeichnung: | Exemple de désignation: | B / | R1U | 12 | - | 5 | 3 | * | - | * | 00 |
|--|---|---|-----|-----|----|---|---|---|---|---|---|----|
| B.S.P.P. threads | Rohrgewinde | Taraudages B.S.P.P. | | | | | | | | | | |
| Series | Baureihe | Série | | | | | | | | | | |
| Nominal size 12 = 3/4" 24 = 1 1/2" 32 = 2" | Nennweite 12 = 3/4" 24 = 1 1/2" 32 = 2" | Passage nominal 12 = 3/4" 24 = 1 1/2" 32 = 2" | | | | | | | | | | |
| Max. Pressure 5000 PSI | max. Druck 350 bar | Pression maximum 350 bar | | | | | | | | | | |
| Mounting 1 = Threaded Body 2 = Flange Body (R1U 32 only) 3 = Subplate | Montageart 1 = Leitungseinbau 2 = Flanschbefestig. (nur R1U 32) 3 = Plattenaufbau | Type de raccordement 1 = Corps taraudé 2 = à brides (R1U 32 seulement) 3 = Plaque de base | | | | | | | | | | |
| Pressure setting range 1 = 100 ÷ 1000 PSI 3 = 1000 ÷ 3000 PSI 5 = 2500 ÷ 5000 PSI | Einstelldruckbereich 1 = 7 ÷ 70 bar 3 = 70 ÷ 210 bar 5 = 175 ÷ 350 bar | Gamme de pression de réglage 1 = 7 ÷ 70 bar 3 = 70 ÷ 210 bar 5 = 175 ÷ 350 bar | | | | | | | | | | |
| Subplate 0 = none | Anschlußplatte 0 = keine | Plaque de base 0 = sans | | | | | | | | | | |

Accessories and modifications

00 = none
 V247 = Orifice bore in main piston bottom (orifice plug omitted)
 V302 = Acorn nut with lead seal
 V328 = Setting device with key lock
 (key to be ordered separately with part no. 700-70619)

Zubehör und Modifikationen

00 = keine
 V247 = Drosselbohrung im Hauptkolbenboden (Düse entfällt)
 V302 = Hutmutter plombierbar
 V328 = Verstellvorrichtung mit Schloß
 (Schlüssel gehört nicht zum Lieferumfang Bestell-Nr. 700-70619)

Accessoires et modifications

00 = sans
 V247 = Bas du piston principal fermé (bouchon omis)
 V302 = Réglage fixe
 V328 = Bouton de réglage de pression avec serrure à clé
 (la clef à commander séparément, code-no. 700-70619)