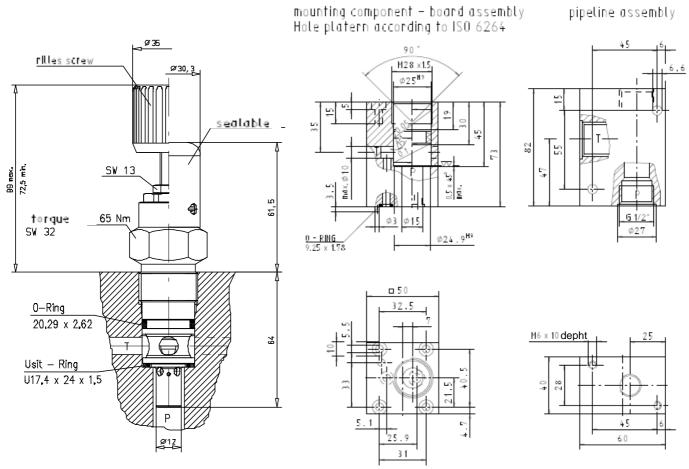
SCHIEDBIIM

PRESSURE RELIEF VALVE

manual controlled - cartridge directly operated - 315 bar - 25 dm₃/ min

Pressure control valves Type 694 are directly controlled seat valves limiting an adjustable pressure of the inlet flow. The pressure adjustment is variable by a set screw. In order to allow a sensitive adjustment of the pressure the valve was separated into the setting ranges of up to 70 bar, 140 bar, 210 bar and 315 bar. An integrated damping piston guarantees a flutter - free operation of the entire setting range. For the assembly of the cartridge, mounting component's plate and pipeline assembly are available. Components for intermediate assembly see dimension sheet 74-079-1005. The valves are provided with sealing of Buna N (NBR).





ORDER DATA

The delivery includes the O-Ring and the Usit - Ring also the O-Rings for the assembly component. Connecting components must be ordered separately.

Name pressure relief valve 694 B R 210 M15

Type
Serial code
Design: P= sealable; R= rilles screw adjustment
Setting ranges in bar: 70; 140; 210 or 315
Supplementary data for special valves
e. g. special sealing from Viton (FkM) = M15

Name valve housing

for pipeline assembly

for board assembly



Order number

44-694-00001

44-694-00002

CHARACTERISTICS

1. General

Symbol



0 - 315 bar

Type designation seat valve

Weight 0,4 kg (valve); 1.3 kg (housing)

2. Hydraulic characteristics

Operating pressure range

Setting pressure range 7 - 70 bar; 7 - 140 bar; 7 - 210 bar; 7 - 315 bar

at rated flow

Rated flow 25 dm $_3$ /min to 210 bar 16 dm $_3$ /min to 315 bar Maximum flow approx. 40 dm $_3$ /min

Rotation of angle approx. 5400₀ (spindle rotations)

Actuating torque 0,7 Nm

Hydraulic fluid hydraulic oil according to DIN 51 524 (1,2)

Hydraulic fluid temperature range -20℃ to +8 0℃

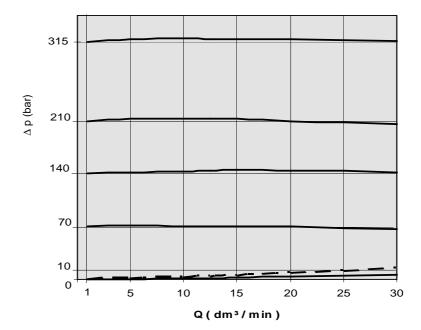
Viscosity range 5 - 350 mm₂/sec. Dampening behaviour hydrostatic

CHARACTERISTICS

Δ p-Q-characteristics;

for opening / closing process Measured at an oil viscosity of 36 mm₂/S

for model up to 210 bar for model up to 315 bar



For applications in excess of the given specifications, please contact Schiedrum.

All data given should be used as description for the product only and they are not to understand as warranty (zugesicherte Eigenschaften) in the sense of law.

