

Function description Shuttle valves

Soft-sealing

VOSS soft-sealing shuttle valves act in a hydraulic circulation systems according to the same operating principle as the ball seat variant.

Design, soft-sealing ball seat valve, installation as tube installation (other designs available on request)

Any desired installation position possible

Material and surface protection: Housing of steel, surface galvanised, VOSS Zink-Nickel

Seals of NBR (FPM / FKM on request)

Pressure fluids on mineral oil basis (other media available on request)

Freedom from leaks, from 3 bar absolute ultra-fine sealing (medium: hydraulic oil)

The sealing principle:

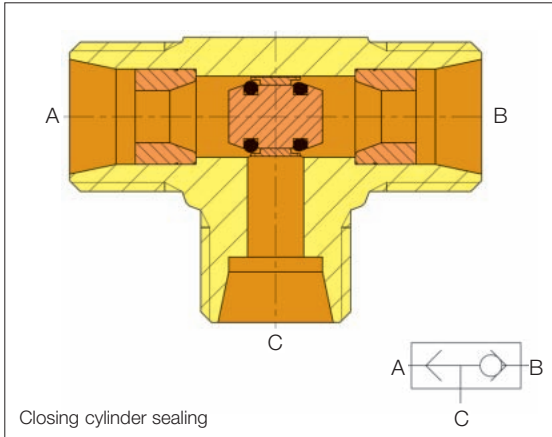
The sliding sleeve on the closing cylinder

- releases the sealing area when it contacts the sleeve
- protects the O-ring directed toward the flow against being flushed out

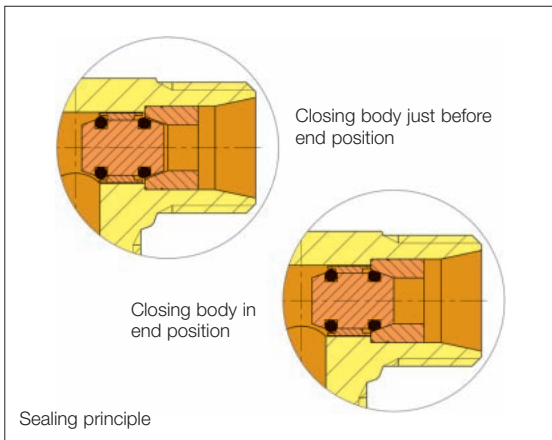
Temperature range:

-35 °C to +100 °C with NBR seal

-25 °C to +200 °C with FPM / FKM seal (on request)



Closing cylinder sealing



Sealing principle



CAUTION!

Do not use for compressed air or gases, and not in conjunction with welded tapers!