



STAUFF Screw-to-connect coupling with poppet valve series PS

Screw-to-connect couplings of the PS Series consist of a female body with external thread and a male tip with a screw sleeve. The Series is developed for particularly heavy-duty hammer applications and for connection of different booms in High Reach Demolition machines for connecting hydraulic lines in DN25 (1 1/4").

Coupling (screwing) and uncoupling (unscrewing) of the two halves is safe and very easy. After the connection is complete, all internal components have minimal play or clearance, which significantly reduces the risk of material fatigue.

Another advantage is that the risk of permanent indentation, so-called "brinelling", on the surface of the male tip is eliminated, which can occur with push-to-connect couplings in similar extreme applications.

The PS Series is available in nominal size 25 (1 1/4").

Characteristics

Series: PS

Material: Steel

Surface protection: Zinc-Nickel

Valve shape: Poppet valve

Minimum medium temperature (continuous): -20 °C

Maximum medium temperature (continuous): 150 °C

Connectable under residual pressure: No

Technical Information

- The permitted working pressures of the series PS coupling is comparatively higher, and with a safety factor of 4x working pressure, maximum flow rate of 600 l/min (or up to 1000 l/min for short term period) and able to withstand, high oil flow rates, intense pressure impulses, extreme vibrations and severe operating and environmental (site) conditions.

Application

- Construction machinery

Type of component	Construction size	Nominal bore in DN mm	Coupling size (inch)	Connection type	Connection size	Maximum operating pressure bar	Spillage ml	Max. flow rate l/min	Sealing	Article
Coupling (female)	8	25	1.1/4"	Internal thread	1.1/4" BSP cyl.	380	27	600	NBR/PTFE/FKM	14230237
Coupling (female)	8	25	1.1/4"	SAE flange	SAE 6000 psi 1.1/4"	380	27	600	NBR/PTFE/FKM	14230236
Plug (male)	8	25	1.1/4"	Internal thread	1.1/4" BSP cyl.	380	27	600	HNBR	14230239
Plug (male)	8	25	1.1/4"	Internal thread	1.5/8-12 UN	380	27	600	HNBR	14230240

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