



XHPR-14

High Performance Pressure Regulator

The XHPR-14 is a self-venting high precision pressure regulator with excellent performance; compatible with all common water and oil based hydraulic fluids.

Features:

- Controlling pressures up to 900 bar
- Up to 300 bar differential pressure
- Patented, unique pressure sensing technology for high precision
- Excellent durability and repeatability
- Progressive gear secure low torque on adjustment wheel over entire range
- Valve details in coated Ti gr.5
- ATEX certification: II 2 G c IIC T6

Applications:

- Work over control systems
- Hydraulic Power Units
- Liquid Sampling

Description:

The XHPR-14 is a high-performance pressure regulator that incorporates a patented pressure sensing system ensuring precise pressure control and high capacity throughout the entire control range.

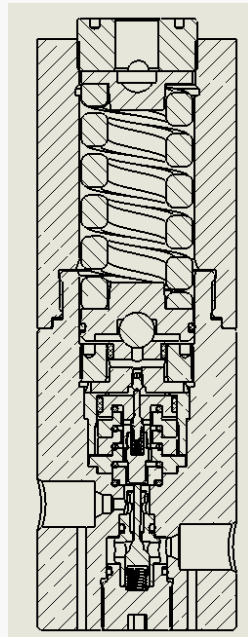
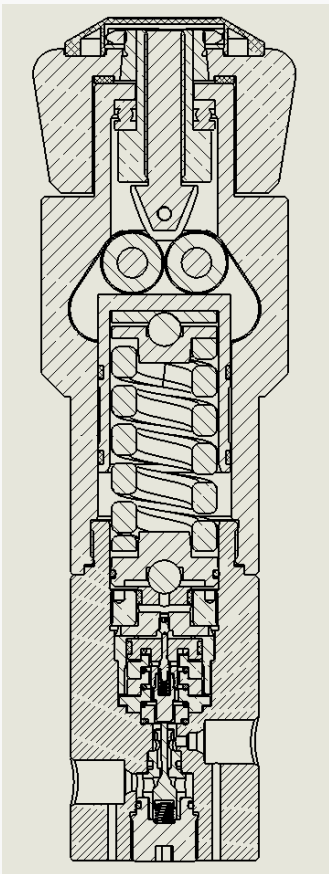
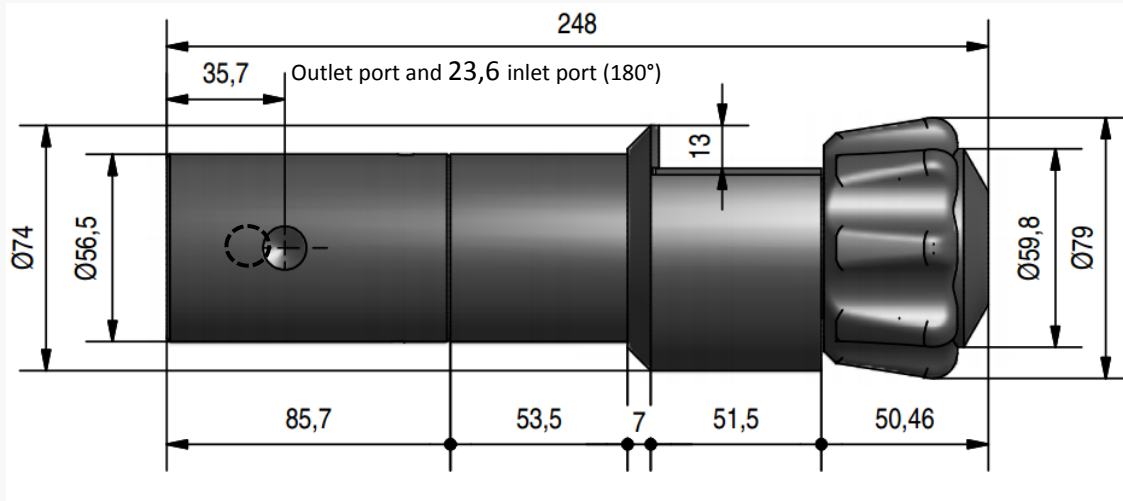
The regulator is compatible with all common water and oil based hydraulic fluids and secure low maintenance and life-cycle cost.

As an option XHPR-14 can be delivered with actuator for remote operation.

Specifications / Designations:

Model designations for XHPR	Operational mode:	Material pressure housing	Max inlet pressure [barg]	Controlled pressure range [barg]	Filter options	Gasket	Inlet/Outlet ports	Nom. / max intermittent flow [l/min]
RPL-X14	M or F	S or D	T or L	Pxxx	IF or NF	H	A3	(not used)
	Manually or Fixed	S = 316	T = 863	50 - P370	Internal Filter or No Filter	H = HNBR	A3 = AE 3/8"	10 / 25
		S = 316	T = 863	50 - P690				10 / 25
		D = Duplex	L = 1035	50 - P900				5 / 8

GA drawing: Manually operated version



Manually operated or fixed versions

For manually operation: Adjustment wheel with a progressive gear. 6 off roller bearings and a wedge keep the manual torque on adjustment wheel easy to handle. Weight: 4,9 kg

For the fixed set-pressure version the pressure housing and internals are identical. Main dimensions and weight are:

- Length 174 mm, outer diameter $\varnothing 56,9$ mm
- Weight: 2,9 kg

Common features all model designations:

- All gaskets in HNBR
- Max $\Delta P =$ pressure is 300 bar for nominal flow
- Cv value at fully open inlet valve is about 0,2
- Tubing size 3/8" Medium Pressure
- Inlet and outlet port: Medium Pressure 9/16-18» UNF thread
- Inlet valve: Hard coated Titanium gr. 5 for increased durability
- Vent port: 1/8" BSP
- An O-ring stack is acting as a flexible chamber for the patented pressure sensing system

Different compression springs are used depending on the requested pressure range (model /type)