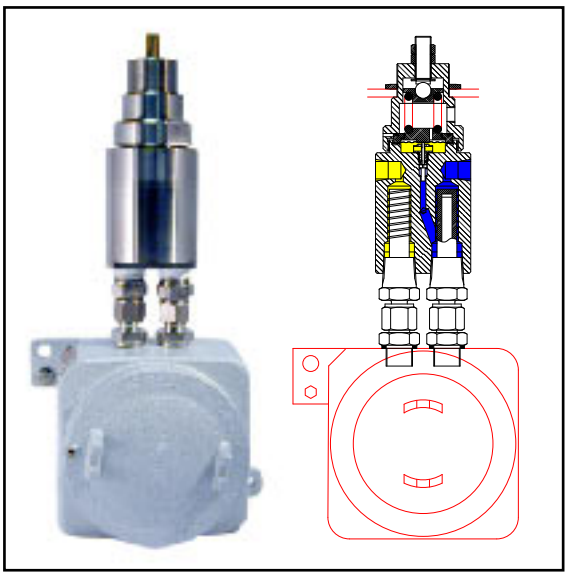
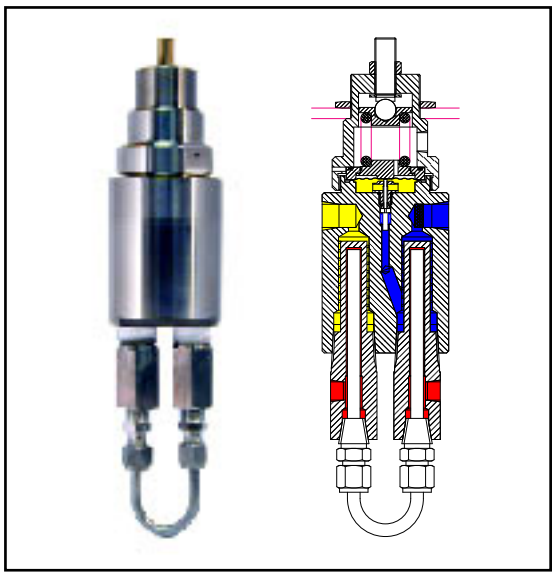
PRESSURE TECH 2000

XHR/SHR 300 Series

Electric & Steam Heated Regulators





Features:

- Certified to ATEX Directive 94/9/EC
  - II 2G (SIRA 02ATEX 1049)
  - EEx d IIC T3
- Dual, independent, 100W heaters (or steam chambers) for pre-heat and secondary heat transfer
- Removable sheaths for easy removal of carbon deposits
- Two convoluted Inconel diaphragms for extra strength and flexibility at high temperatures
- Spiral wound sheaths to ensure maximum heating surface and direct heating of the gas for maximum thermal efficiency
- Easy to wire circuit board and optional entry points for cable supply
- Stainless steel bonnet as standard
- Metal to metal sealing diaphragm

Applications:

- ✓ Natural Gas sampling systems
- ✓ Vaporising hydrocarbons
- ✓ CO2 systems

The **XHR/SHR 300** series has been certified to the new ATEX directive 94/9/EC and provides one of the most effective heating regulators on the market. Helping to maintain saturated gases in their vaporised state, it's unique dual heating design, combined with it's direct heat transfer process, help keep the heaviest of Hydrocarbons in their gaseous state for improved media analysis.

The sheaths can be removed from the body of the regulator to allow easy removal of carbon deposits that build up during operation on hydrocarbon analysis – thereby maintaining paramount thermal efficiency. Build up on the outside of the heating elements, as opposed to inside tubes or on the regulator body itself, makes the regulator far easier to service.

Options:

115V or 230V (50hz or 60Hz) Supply.
Gauge ports to suit.

Smart Funding Innovation

XHR/SHR Series – Electric and steam heated regulators
Ordering information

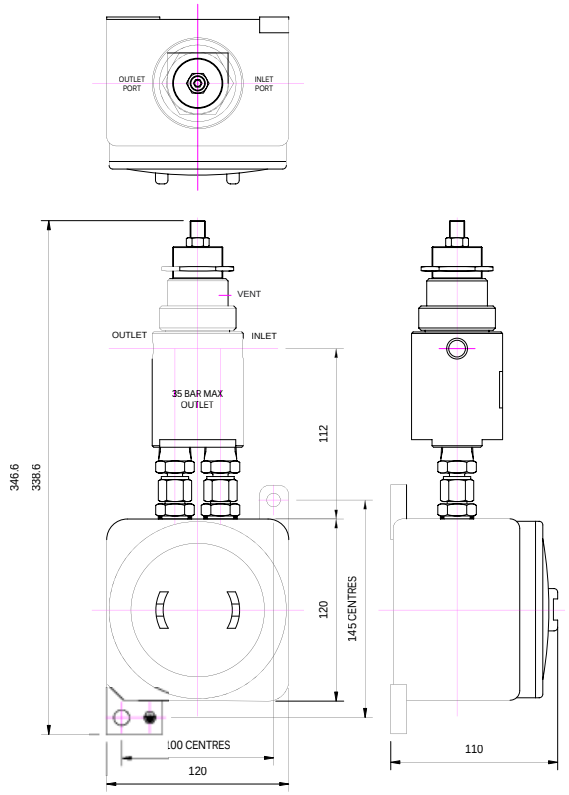
Standard specification:

Body and wetted parts:	316st.st.
Bonnet:	316st.st.
Seat:	Peek
Connections:	1/4" NPT

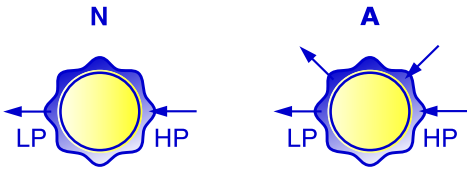
Ambient temperature range:	-40°C to +50°C
Proof pressure:	450bar
Max rated outlet pressure:	30bar
Inboard He leak rate:	$1x10^{-8}$ atm cc/sec He

(Individual testing available at extra cost)

Max steam pressure: 6bar



Porting options:



Model ordering information:

XHR300 - 0.06 - SS - 10 - 1 - L - A

Basic model
XHR300 – Electric heated
SHR300 – Steam heated

Cv value
06- 0.06
03- 0.03

Body material
SS – 316 st.st.

Outlet pressure range
02 – 0 – 2bar
04 – 0 – 4bar
08 – 0 – 8bar
10 – 0 – 10bar
20 – 0 – 20bar

Heat supply
1 – 115V
2 – 230V
– Steam

Power cable supply
L – Left side
R – Right side
B – Bottom

Porting options (refer above)