PRESSURE REGULATORS

Stainless steel

OIL&GAS

TCR 40X

HIGH PRESSION

Pressure regulator made of brass for high pressures and high flow rates. For models with outlet-pressure till 200 Bar, the control system is based on convoluted diaphragm, for a better stability and regulation; for models with output pressures higher than 50 bar, the system is controlled by piston. The balanced shutter keeps the outlet pressure almost constant and independent from fluctuation of inlet pressure. Designed for the most critical applications such as big distribution plants and fire-fighting systems.

APPLICATIONS:

- Pharmaceutical industry;
- Chemical industry;
- Oil & gas and Off Shore applications
- Food industry

FEATURES:

- Particular attention to the low level of roughness of surfaces, to grant high standard of cleaning;
- Compatible for use in aggressive environment;
- Suitable for extreme temperatures (-60°C), critical environments, hazardous applications;
- Suitable to be cleaned and sanitized by the most common processes;

MATERIALS

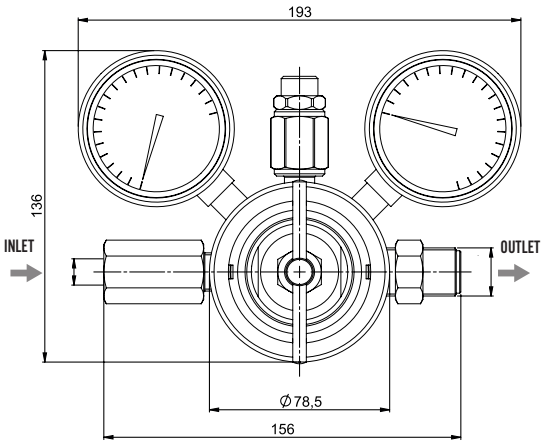
Body	316L stainless steel
Bonnet	316L stainless steel
Seals	HNBR – EPDM – FKM - Silicone
Diaphragm	HNBR – EPDM – FKM - Silicone
Internal parts	316L stainless steel
Shutter	PTFE FT10-02

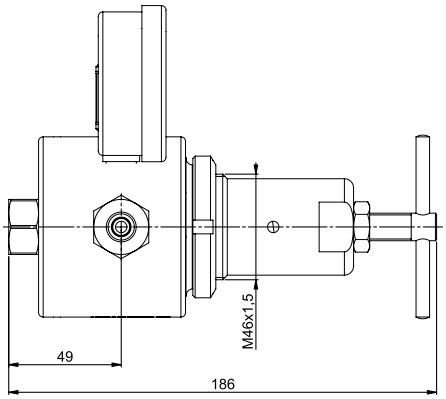
TECHNICAL DATA

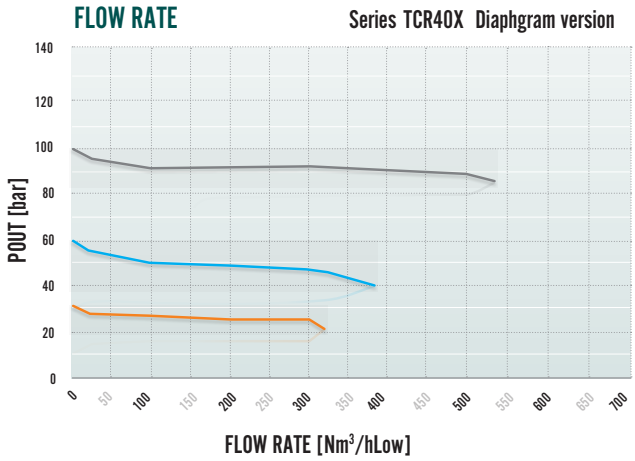
P. max Inlet	300 Bar optional 400 Bar
Range pressure out diaphragm	1,5-15 /2,5÷25 / 5÷50 Bar
Range pressure out piston	20÷200 Bar optional 40-400 Bar
Inlet connections	¼" NPT F alternative bottle connections
Outlet connections	½" Gas M – ½" BSPP M
Flow rate	Membrana/Diaphragm ~ 500 Nm3/h Pistone/Piston ~ 700 Nm3/h
Weight	Membrana/Diaphragm 3.9 kg Pistone/Piston 4,1 kg
Working temp.	-20°C to +100°C*
Conformity to Directives	2014/68/EU PED

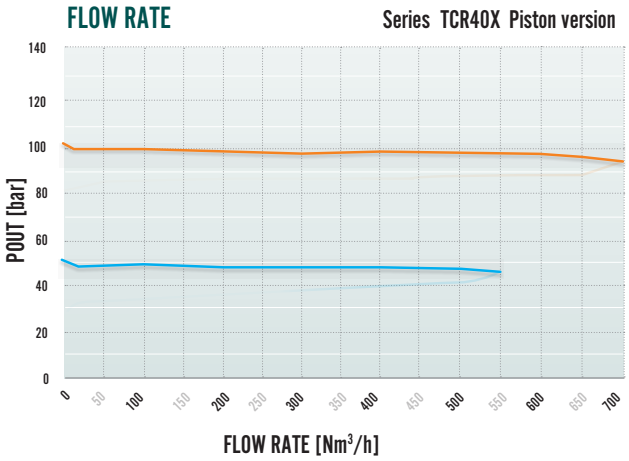
*In case of different range of temperature please contact our technical department

Stainless steel









OPTIONALS :

• Inlet connections for cylindres • Flanges (EN1092-1/ANSI) • With relieving • Execution for liquids • Threaded connection for exhausting gas on bonnet • Bracket • Nut M46x1.5