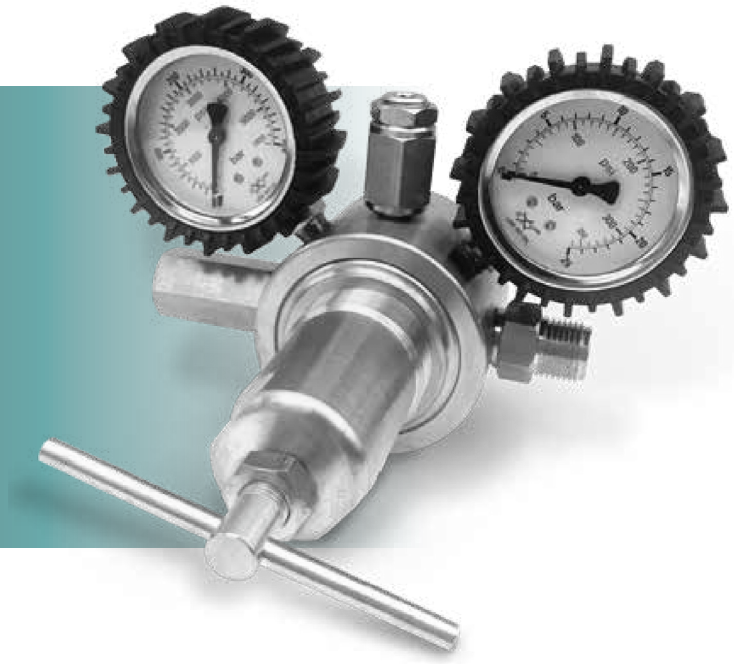
PRESSURE REGULATORS
Stainless steel

TCR 40X
HIGH PRESSURE

OIL&GAS



Brass pressure regulator 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 a piston. The balanced shutter keeps the outlet pressure almost constant and independent from inlet pressure fluctuations. 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 surface roughness, to grant high cleaning standard;
- Compatible for use in aggressive environments;
- Suitable for extreme temperatures (-60°C), critical environments, hazardous applications;
- Suitable to be cleaned and sanitized by the most common processes;

MATERIALS

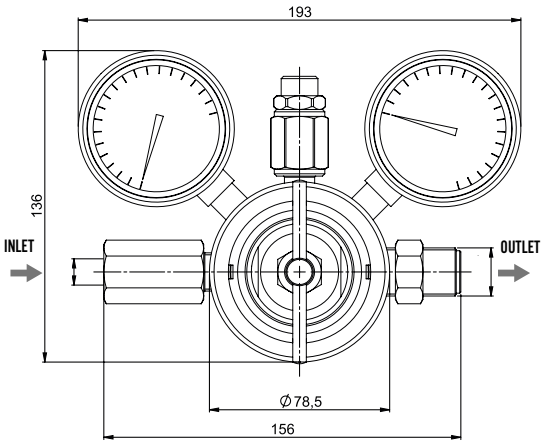
Body	316L stainless steel
Bonnet	316L stainless steel
Seals	HNBR – EPDM – FKM - Silicone
Diaphragm	HNBR – EPDM – FKM - Silicone
Internal parts	316L stainless steel
Shutter	PTFE FT10-02

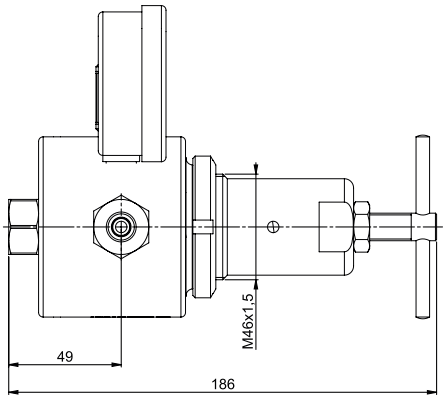
TECHNICAL DATA

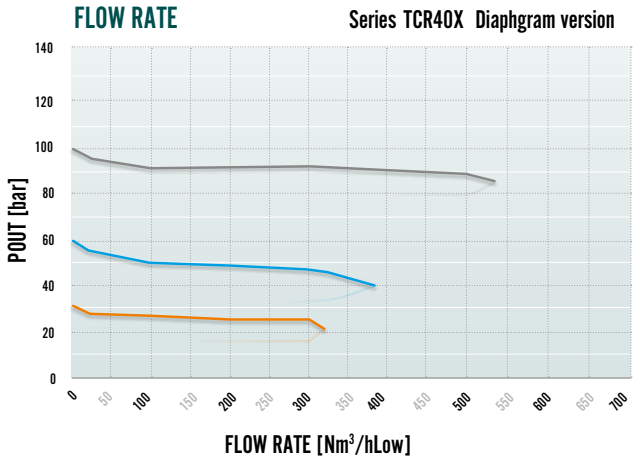
P. max Inlet	300 Bar optional 400 Bar
Range pressure out diaphragm	1,5-15 /2,5÷25 / 5÷50 Bar
Range pressure out piston	20÷200 Bar optional 40-400 Bar
Inlet connections	¼" NPT F alternative bottle connections
Outlet connections	½" Gas M – ½" BSPP M
Flow rate	Membrana/Diaphragm ~ 500 Nm3/h Pistone/Piston ~ 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

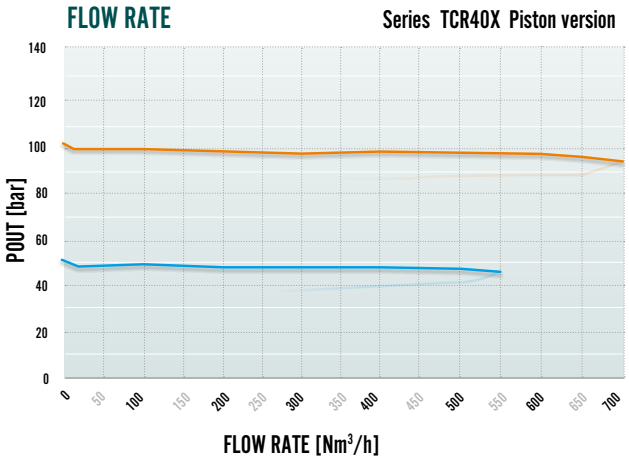
*In case of different temperature ranges please contact our technical department.

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