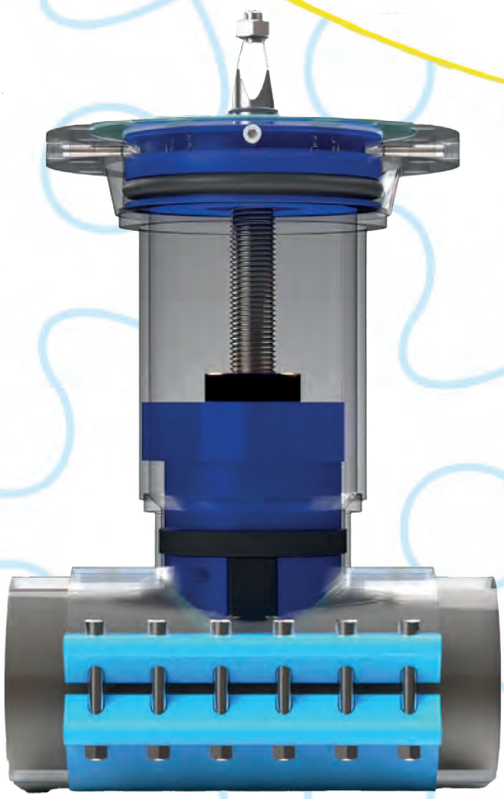
fastra.

...SPECIALIST IN PIPELINE SYSTEM SERVICE

VALVE INSERTION SYSTEM

ProVana®

FOR WATER PIPELINES



FASTRA, s.r.o. exclusive dealer

VALVE INSERTION SYSTEM

ProVana®

FOR WATER PIPELINES

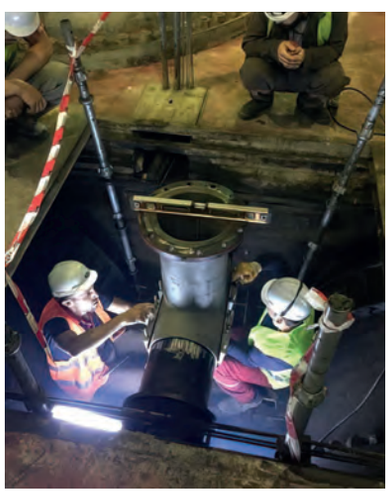
EASY INSTALLATION
FAST APPLICATION, ENVIROMENTALLY FRIENDLY
EFFECTIVE RESULTS

EASY APPLICATION

Installing the FASTRA ProVana® system makes the valve installation process far simpler than conventional methods, such as when installing a valve on a service line, the FASTRA technicians simply arrive, measure and install the device, making the installation process quick and easy. Although the size and location of the pipeline can play a certain role, most installations are completed in 45 to 90 minutes without the need to shut down or drain the pipeline.

The installation steps are as follows:

1. Pipe preparing
2. Installation and testing
3. Hot-Tapping
4. Cartridge Insertion and Blind flange installation



ENVIRONMENTALLY FRIENDLY

The typical process of installing a valve on a pipeline that is still in operation often requires it to be closed and drained. This is particularly inefficient for drinking water, which has to undergo several stages of treatment to ensure that the water is of the requisite quality and reaches users safely. This process not only wastes drinking water but is also expensive and inconvenient for the user. The ProVana® system offers a solution to these problems - it allows a valve to be installed without interrupting service, minimising losses and eliminating the need for microbiological testing, as there is no pressure drop in the system; it is also more convenient for the user and reduces the environmental impact as there are no unnecessary drinking water leaks.

COST EFFECTIVE SOLUTION

When you factor in all the visible costs (personnel, workmanship, materials, drained fluid, etc.) and invisible costs (lost sales, inconvenience for the end-user, public and political reaction, etc.), interrupting the flow in a pipeline in order to install a valve has a significant impact on everyone involved. Compared to traditional installation methods, the ProVana® system is not only more profitable and cost-effective, it will also save you a great deal of administrative hassle and inconvenience.

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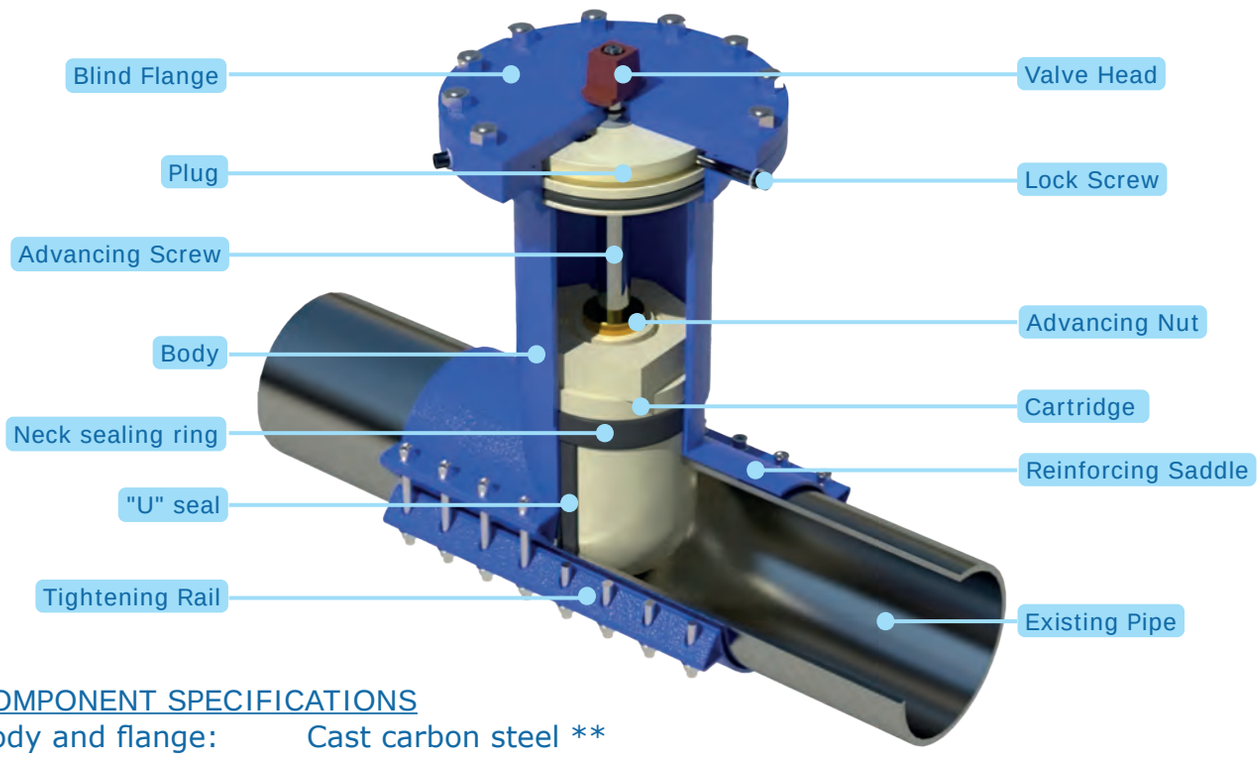
CONSTRUCTION



COMPONENT SPECIFICATIONS

Body and flange:	Cast carbon steel **
Plug and cartridge:	Composite nylon (polyamide)
Sealing Elements:	Rubber (NBR)
Tightening rail:	Carbon steel **
Reinforcement saddle:	Carbon steel **
Advancing screw:	Stainless steel
Advancing nut:	Brass

*** Stainless steel variants on request*

SEALED MEDIUM: Water

TECHNICAL DESCRIPTION

Maximum operating pressure: 17 bar
Operating temperature: 4-50 °C
Applicable nominal sizes: Ø 100-300 mm
Main pipe material: steel, cemented steel, ductile iron, cast iron, AC, PVC

Pipe diameter (DN)	Pipe outer diameter (OD)
4” / Ø 100	108-134 mm
6” / Ø 150	165-186 mm
8” / Ø 200	215-252 mm
10” / Ø 250	268-300 mm
12” / Ø 300	320-369 mm

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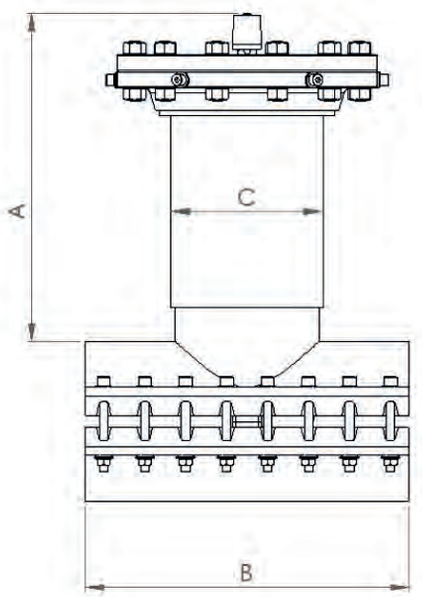
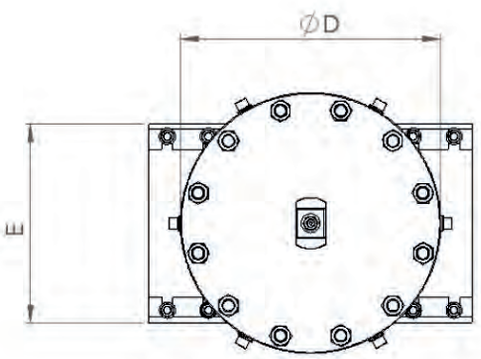
DEVICE DIMENSIONS





Dimensions mm	4”- Ø 100	6”- Ø 150	8”- Ø 200	10”- Ø 250	12”- Ø 300
A	395	440	520	630	675
B	200	300	400	600	600
C	155	197	230	295	325
D	280	345	345	485	485
E	220	270	335	370	455

CONTACT DETAILS

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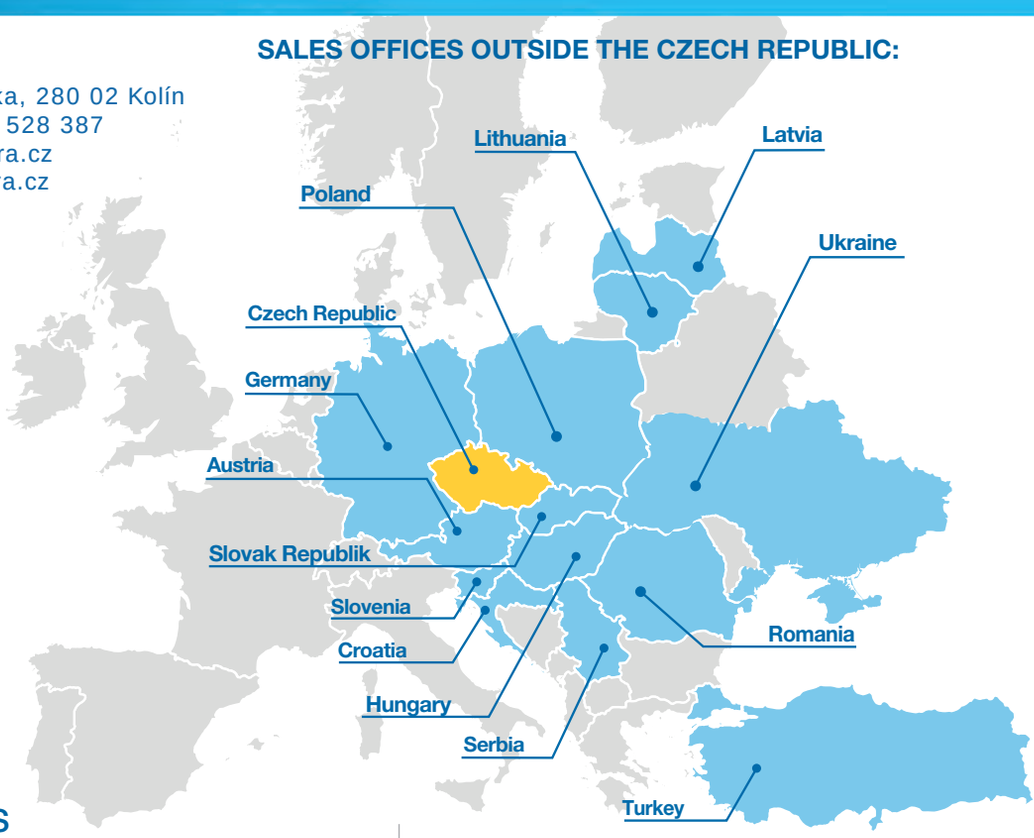
SALES OFFICES OUTSIDE THE CZECH REPUBLIC:



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