

Frese MODULA PRO

Complete solutions for balancing and temperature control

Application

The Frese MODULA PRO is a compact and versatile valve system that combines the Frese range of automatic flow, pressure and temperature control valves with isolation, flushing, draining and measurement components within a prefabricated, tested and ready to install terminal connection assembly.

The Frese MODULA PRO integrates one of the following Frese pressure independent solutions:

- Frese ALPHA (Dynamic balancing valve)
- Frese S (Adjustable dynamic balancing valve)
- Frese EVA (Combined dynamic balancing and 2 port on/off valve)
- Frese OPTIMA and Frese OPTIMA Compact (Pressure Independent Control Valve - PICV)
- Frese PV (Adjustable Differential Pressure Control Valve)

With isolation valves, strainer, drain/hose connection & P/T plug.

Benefits

The Frese MODULA PRO assembly combines the benefits of Frese OPTIMA, EVA and ALPHA in addition to:

Design

- Minimized design time and risks due to complete solution
- Guaranteed performance of the complete system
- Compact design for limited space availability

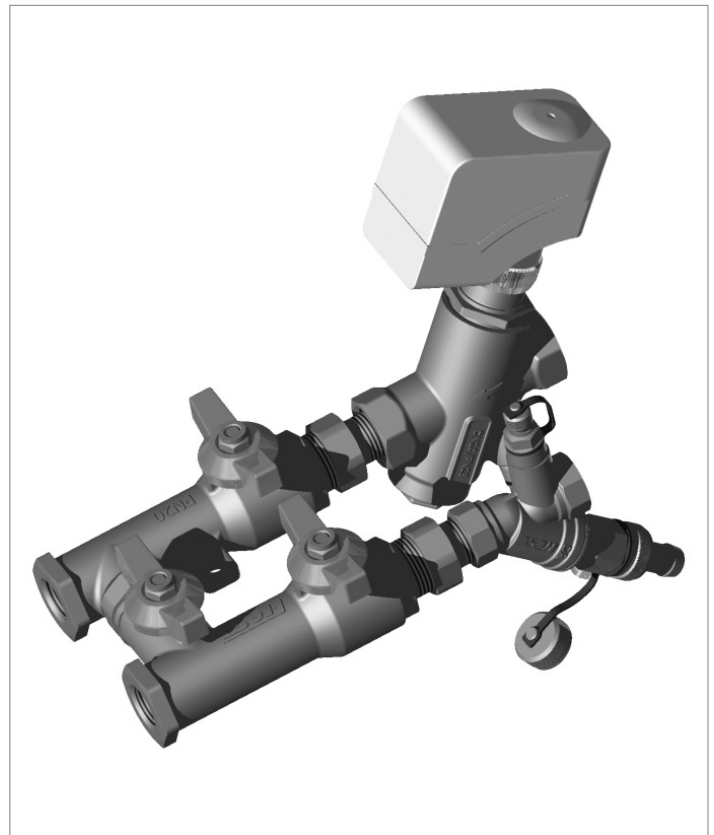
Installation

- Minimized installation and commissioning costs
- Allows easy flushing and coil isolation
- Easy lagging of spindle extensions
- Simple attachment to existing hangers
- Integrated fitting lug for ease of installation

Operation

- High comfort with minimized operation and maintenance costs

For a full understanding of ALPHA, EVA, S, PV OPTIMA and OPTIMA Compact solutions please refer to the relevant Technotes.

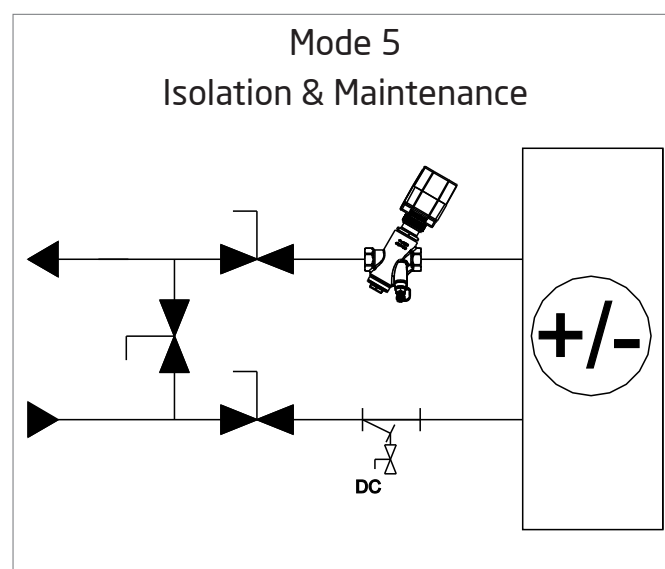
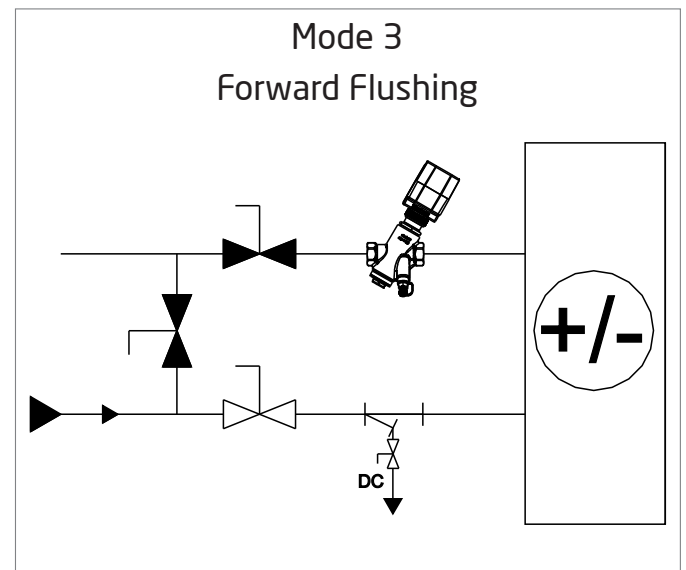
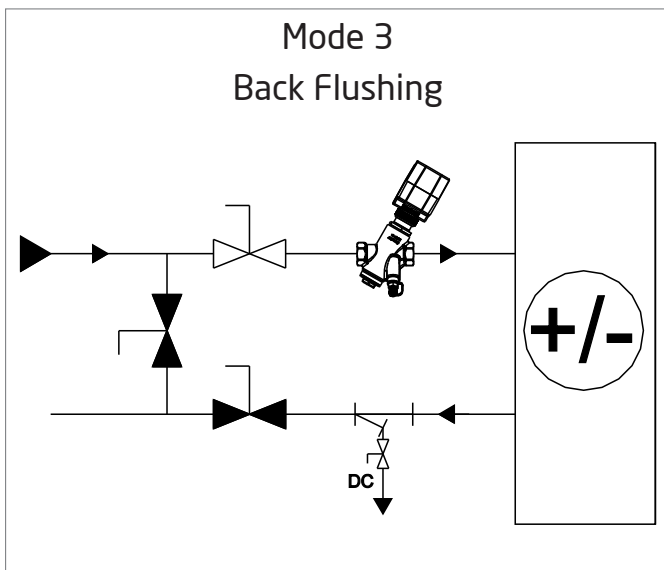
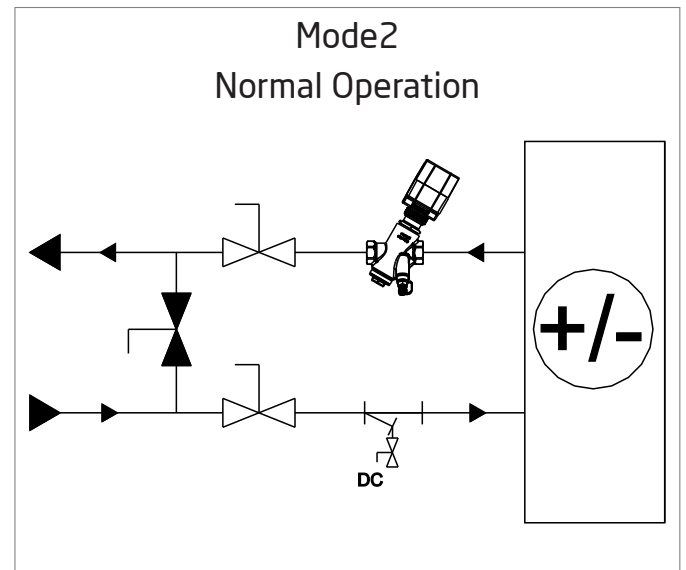
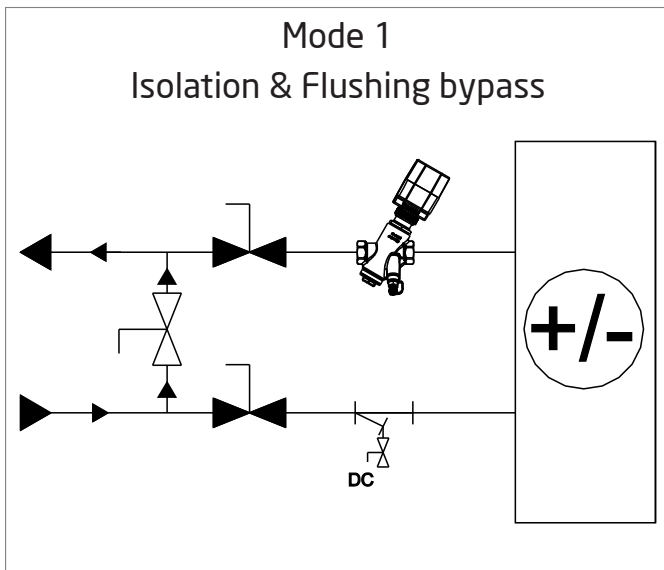


Features

- Available in DN15, DN20 and DN25
- Patented Frese ALPHA, Frese S, Frese PV, Frese EVA Frese OPTIMA or Frese OPTIMA Compact technology
- Compact 80mm/130mm/170mm supply/return centres
- Integrated union joints for easy valve alignment
- DN20 T-handle isolation-valves for flow, return and bypass. Full port valves on flow and return
- Spindle extensions available
- Combinations with strainer, drain/hose connection, P/T plug available

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Technical data

Material:

Pipe & Valve

O-rings:

Pressure class:

Medium temperature range:

DZR Brass, CW602N

EPDM

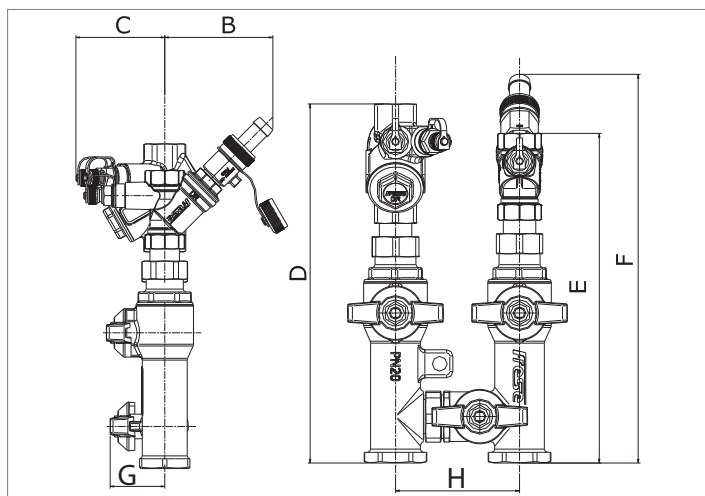
PN16

0°C to 120°C

Example of order combination: 551-12-1-L

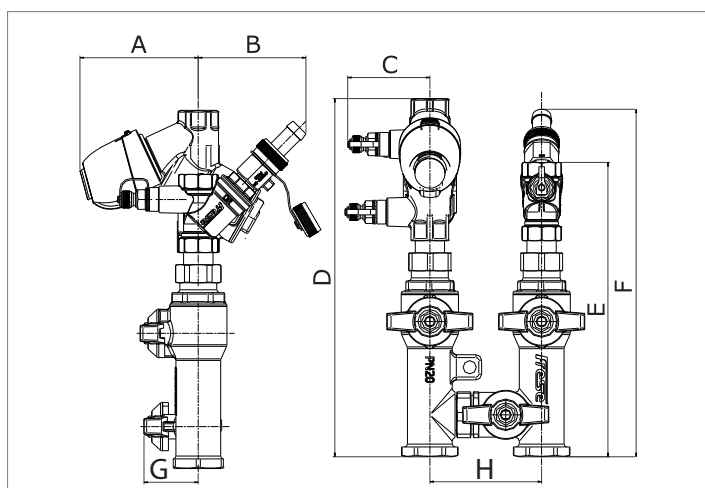
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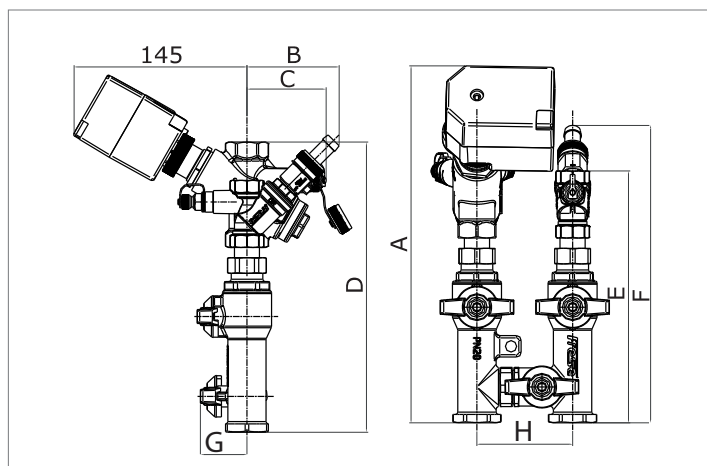
MODULA PRO - ALPHA

	DN15	DN20	DN25	
A	79	87	97	
C	63/102	63/102	63/102	1" PT/2" PT
D	231	231	239	
E	211	230	257	
F	249	266	293	
G	41/88	41/88	41/88	Std. Handle/Ext Handle
H	80/130/170			



MODULA PRO - EVA

	DN15	DN20	DN25	
A	85	85	85	
B	79	87	97	
C	59/98	59/98	59/98	1" PT/2" PT
D	256	256	264	
E	211	230	257	
F	249	266	293	
G	41/88	41/88	41/88	Std. Handle/Ext Handle
H	80/130/170			

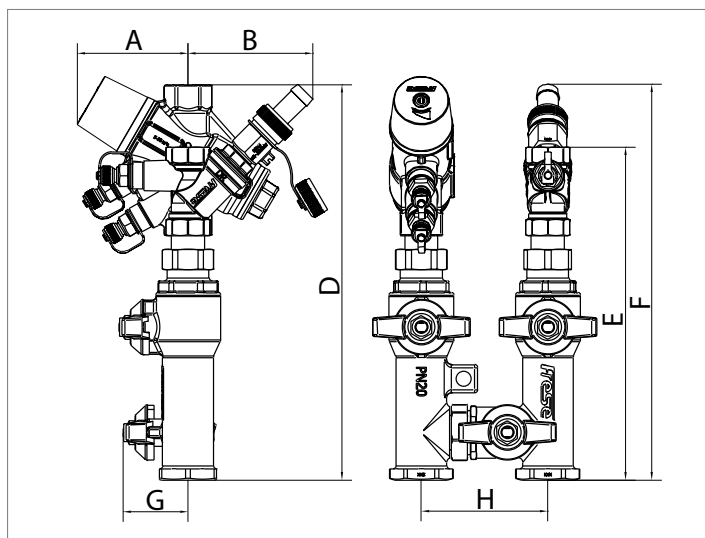


MODULA PRO - OPTIMA

	DN15	DN20	DN25	
A	298	298	298	
B	79	87	97	
C	66/100	66/100	66/100	1" PT/2" PT
D	243	243	251	
E	211	230	257	
F	249	266	293	
G	41/88	41/88	41/88	Std. Handle/Ext Handle
H	80/130/170			

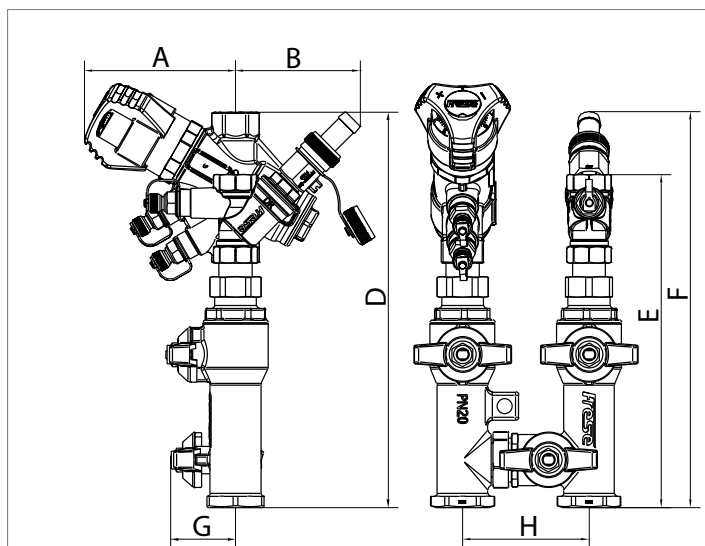
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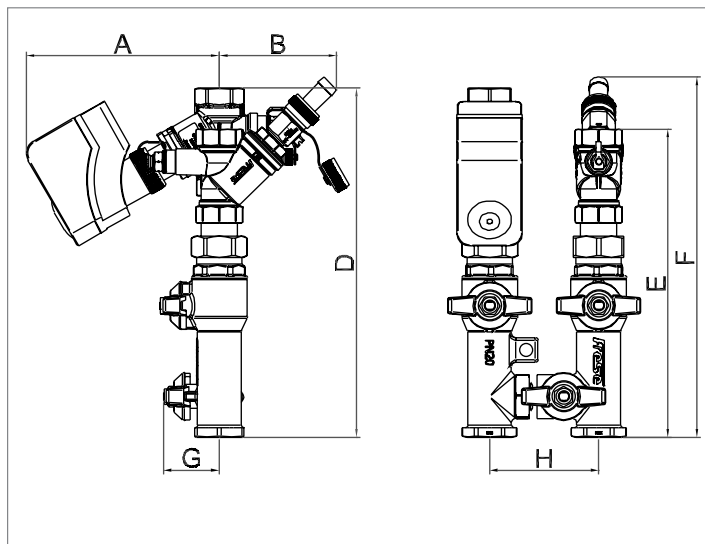
MODULA PRO - PV

	DN15	DN20	DN25	
A	70	73	91	
B	79	87	97	
D	250	251	257	
E	211	230	257	
F	249	266	293	
G	41/88	41/88	41/88	Std. Handle/ Ext Handle
H	80/130/170			



MODULA PRO - S

	DN15	DN20	DN25	
A	96	98	102	
B	79	87	97	
D	250	251	257	
E	211	230	257	
F	249	266	293	
G	41/88	41/88	41/88	Std. Handle/ Ext Handle
H	80/130/170			



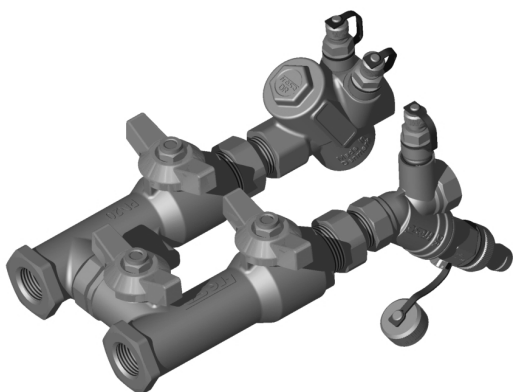
MODULA PRO - OPTIMA Compact

	DN15	DN20	DN25	
A	142	142	-	
B	79	87	-	
D	252	256	-	
E	211	230	-	
F	249	266	-	
G	41/88	41/88	-	Std. Handle/ Ext Handle
H	80/130/170			

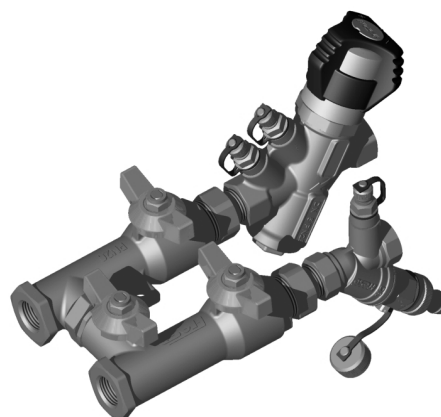
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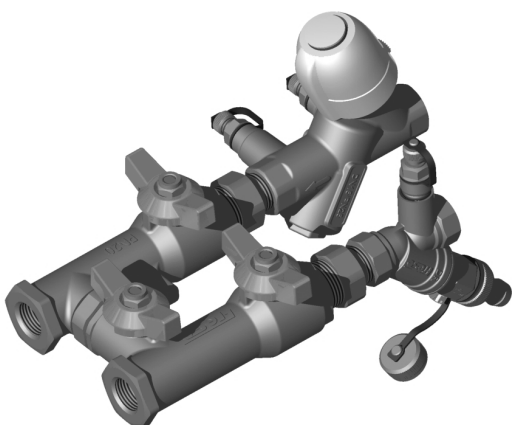
Frese ALPHA - MODULA PRO



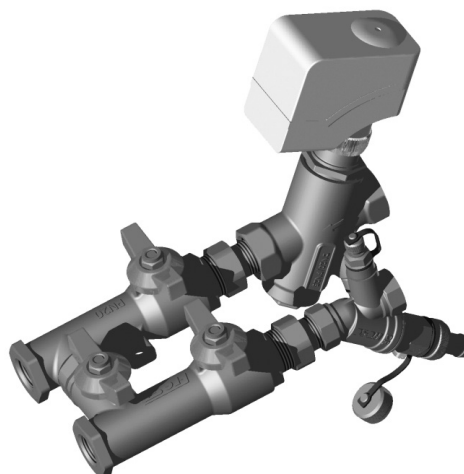
Frese S - MODULA PRO



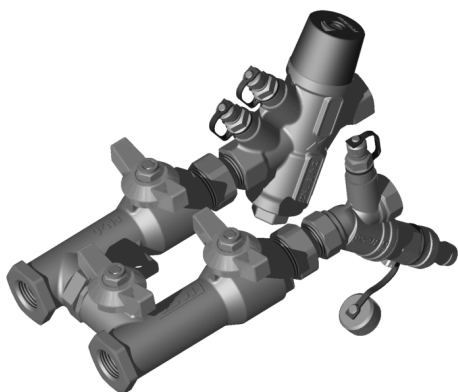
Frese EVA - MODULA PRO



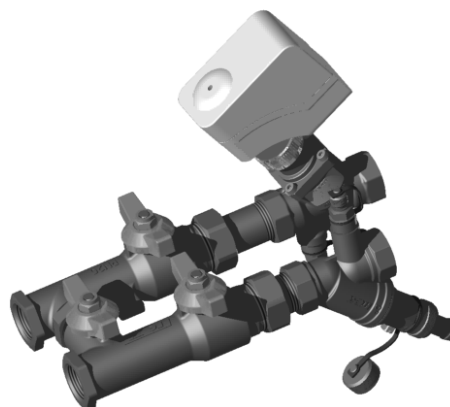
Frese OPTIMA - MODULA PRO



Frese PV - MODULA PRO



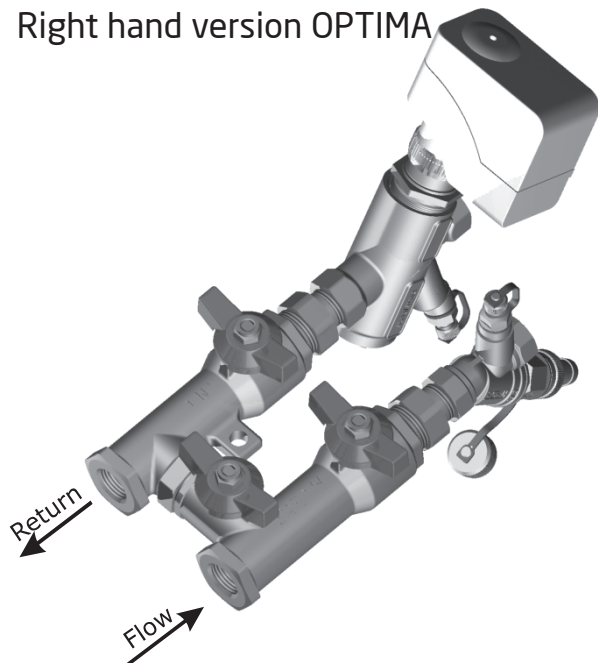
Frese OPTIMA Compact - MODULA PRO



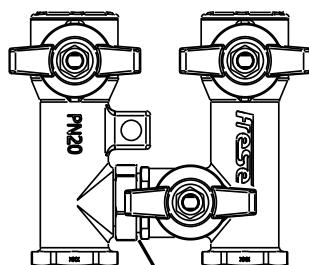
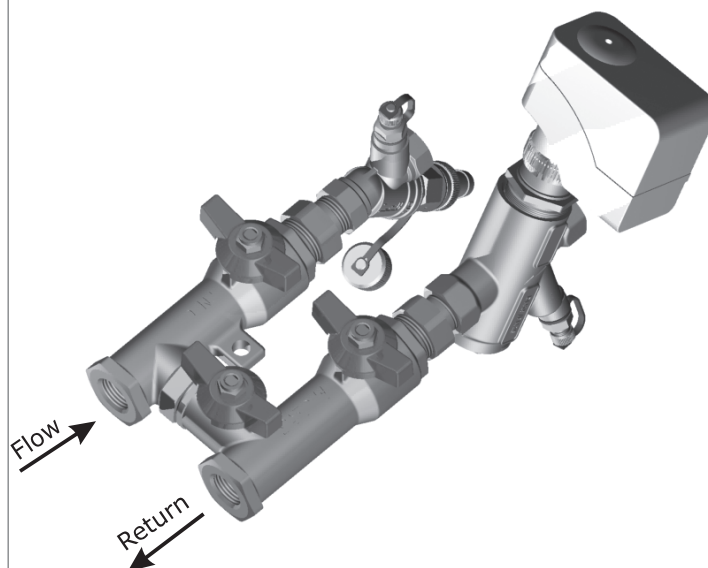
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Right hand version OPTIMA



Left hand version OPTIMA



NOTE:
CENTER CONNECTION JOINTS
SHOULD NOT BE DISASSEMBLED
AS THIS CAN DAMAGE THE
INTERNAL SEAL

Specification text Frese MODULA PRO:

The valve system shall combine a dynamic balancing valve with a fixed 80mm distance supply/return component. The balancing valve can also be a combination valve for dynamic balancing and control. Frese ALPHA, EVA, ALPHA Cartridges, OPTIMA (see corresponding technote).

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