Frese MODULA Compact Bypass Unit

Description

Frese MODULA Compact is a versatile valve system that combines the Frese range of OPTIMA Compact pressure independent control valves with isolation, flushing, draining and measurement components within a prefabricated, tested and ready to install terminal bypass unit.

The MODULA Compact has an integral metering station for accurate flow verification.

Each unit is supplied with isolation valves, drain, P/T plug, integral metering station and OPTIMA Compact PICV.



Benefits

Design benefits

- Minimized design time and risks due to complete solution
- Guaranteed performance of the complete system
- Compact design for limited space availability
- Fitted with OPTIMA Compact PICV
- Integrated Metering Station

Installation benefits

- Compact design for installations with limited space
- Minimized installation and commissioning costs
- Allows easy flushing and coil isolation
- Easy lagging with spindle extensions
- Can be mounted directly to a terminal unit

Operation benefits

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High comfort with minimized operation and maintenance costs

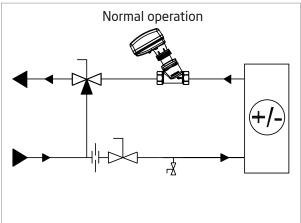
For further information on the OPTIMA Compact PICV, please refer to the relevant technotes

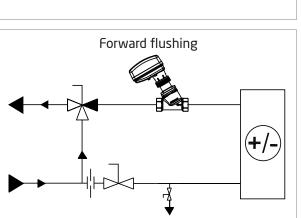
Features

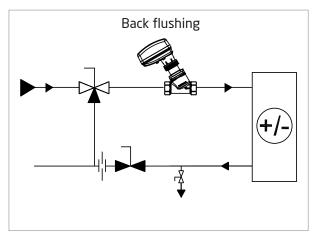
- Integral metering station for accurate flow verification. Available Kv-values: 0.3 - 0.9 - 2.8 - 8.0
- Available in DN15 and DN20
- Patented Frese OPTIMA Compact PICV technology
- Compact 40mm supply/return centres on DN15 and 50mm supply/return centres on DN20
- Integrated union joints for easy valve alignment
- T-handle isolation-valves for flow, return and bypass.
- Spindle extensions available

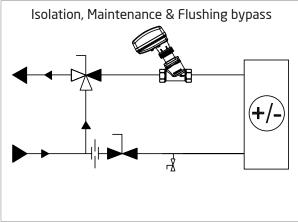


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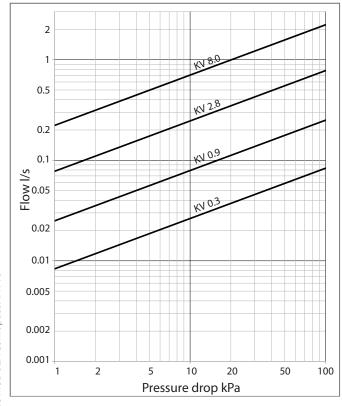


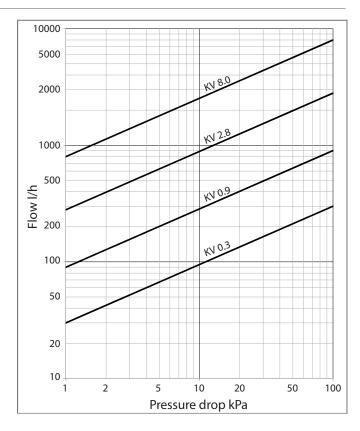






Flow graphs for Metering station





Frese MODULA Compact Bypass Unit

											57	MODULA Compact					
											7	Frese OPTIMA Compact					
						1					1	DN15 - 40mm					
												DN20 - 50mm					
						1						T-piece with isolation valve + drain					
											2	T-piece with isolation valve + drain and extension handle					
						A						T-piece with isolation valve + drain (Left hand mount)					
						B T-piece with isolation valve + drain a									nd extension handle (Left hand mount)		
							1				1	1"P/T Plugs on valve					
											2	Without P/T Plugs or	n valve				
										_	L	Low Flow					
											Н	High Flow					
											Α	2,5 mm stroke					
											С	5.0 mm stroke			Metering station Kv-value 0.3 - 0.9 - 2.8 - 8.0		
											D	5,5 mm stroke			0.5 - 0.9 - 2.0 - 0.0		
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	Valve		Size/Center	Modula V combination		Valve plug		Flow/Pressure		Туре							
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Example of order combination: 577-12-1-LA-2.8

Technical data

Material: DZR Brass, CW602N

O-rings: EPDM Pressure class: PN16
Medium temperature range: 0°C to 120°C

Specification text Frese MODULA Compact:

The valve system shall combine a Frese OPTIMA Compact PICV with fixed 40mm or 50mm centres between supply and return , distance supply/return component.

The valve system shall also include an integral metering station, isolation valves and drain.

The bypass unit shall have a pressure class of PN16.

The medium temperature shall be 0°C to 120°C.

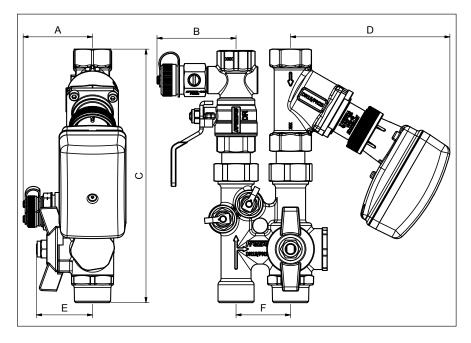
All material shall be DZR brass, CW602N.



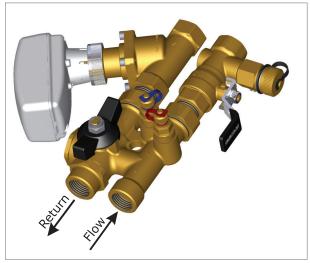


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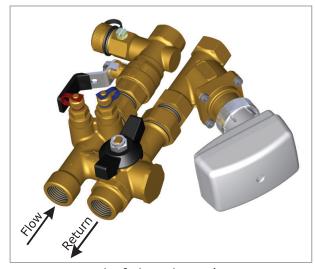
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MODULA Compact										
mm	DN15	DN20								
Α	50	50								
В	59	59								
C	186	206								
D	117	117								
Е	41	/88	Std./Ext Handle							
F	40	50								



Right hand version



Left hand version