

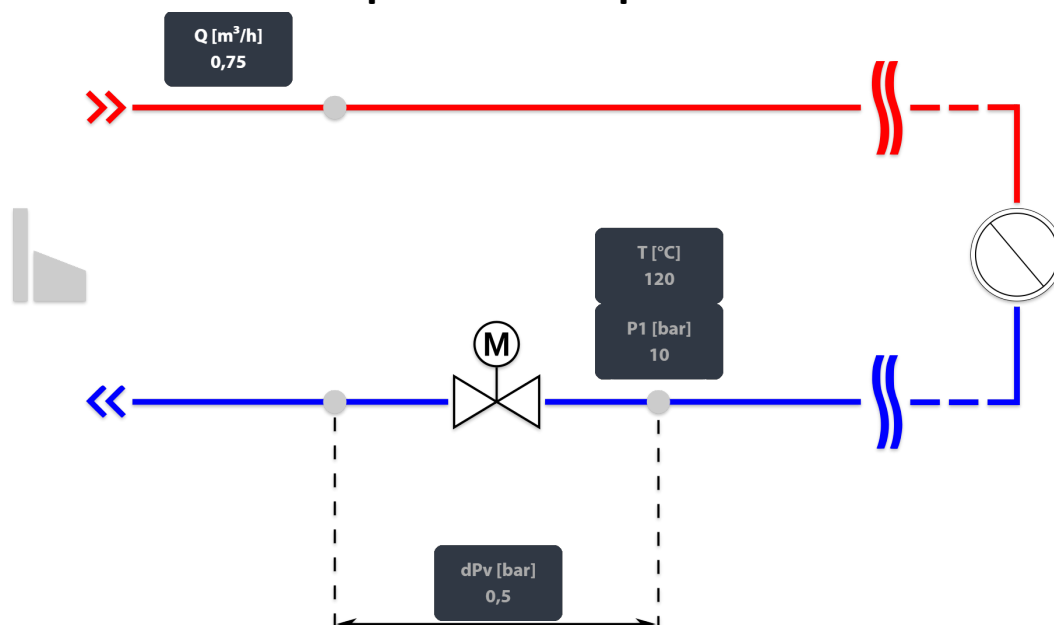
	List number	P-88720997
	List name	
	List date	10.12.2025
	Total Amount	987,00 EUR

Selected products

1. Selection based on pressure drop over the valve

Material number	Type	Description	Qty.	Price
065B2014	VM 2	VM 2 PN25 15/1.6 2-way seated ext. thr	1	388,00 EUR
082G3001	AMV 10	AMV 10 230V 14s/mm 5mm 300N	1	599,00 EUR
Total Amount				987,00 EUR

1. Selection based on pressure drop over the valve



Calculation data	
Actuator control signal type	3-point
Actuator safety function	No
Actuator supply voltage	230 V
Application	Heating (Control valves)
Calculated Kv	1,06 m³/h
Cavitation	4,51
Cavitation check	With
Cavitation Factor	Standard
Flow (Q)	0,75 m³/h
Inlet pressure (p1)	10 bar
Main application	District heating
Mounting position	Return
Ports	2-way
Pressure over the valve (dPv)	0,5 bar
Real dPv [bar]	0,22
Temperature (T)	120 °C
Valve opening [%]	66,25
Velocity [m/s]	1,18

Valves



Code number	065B2014
Product name	VM 2 PN25 15/1.6 2-way seated ext. thr
Description	
Quantity	1

Technical data	
Material description	VM 2 PN25 15/1.6 2-way seated ext. thr
DN	15 mm
Kvs values Nom	1.6 m ³ /h
Media temperature Max	150 °C
Cavitation factor	0.5
Connection size	G 3/4 A
Connection type	External thread
Control ratio	50:1
Differential pressure range Max	16.00 bar
Flow characteristic	Split
Function	Pressure relief
Leakage through port Max	0.05 % kvs
Media pH Max	10
Media pH Min	7
Media temperature Min	2 °C
Number of ports	2
Pressure nominal	25 bar
Stroke	5.0 mm
Valve body material	Red bronze. mat. No. 2.1096.1 (RG5)
Valve cone material	Stainless steel
Valve seat material	Stainless steel
Valve stem material	Stainless steel

Actuators



Code number	082G3001
Product name	AMV 10 230V 14s/mm 5mm 300N
Description	
Quantity	1

Technical data	
Material description	AMV 10 230V 14s/mm 5mm 300N
Safety function	0
Speed	14 s/mm
Ambient temperature Max	55 °C
Ambient temperature Min	0 °C
Closing force	300 N
Control type	3-point
Frequency	50/60 Hz
Grade of enclosure	IP54
Manual operation	yes
Position feedback	no - potentiometer needed
Power consumption	2 W
Protection class	II
Storage temperature Max	70 °C
Storage temperature Min	-40 °C
Stroke	5.0 mm
Supply voltage range AC Nom	230.0 V

This report is based upon data from (or provided to) the person who generated this report and a set of standard assumptions including but not limited to a selection of an application type. The results and recommendations assume the correct installation and use. As the results and recommendations of this report including, without limitation, the calculated flows, dimensions, cavitation, pressure losses etc. can vary according to the concrete circumstances these are only indicative and are given without any obligation and responsibility for Danfoss A/S or any of its affiliates ("Danfoss"). The calculated savings are not guaranteed or warranted by Danfoss. Danfoss accepts no responsibility for errors and omissions in the information and calculations.