

Summary

Position data	
Location	Sporta iela 5 (Malta)
Description	Apkures loks

Values and Selections	
Application	District Heating
Flow limitation	No
Medium	Water
Heating supply	80 (°C)
Heating return	60 (°C)
Power	150 kW
Cavitation calculations	No

Specified values		Resulting values	
dP across the valve	20 kPa	dP across the valve	16,24 kPa
Valve authority, Va	0,67	Valve authority, Va	0,54
dP available	30 kPa	min. dP available	26,24 kPa
dP across the system	10 kPa	dP across the system	10 kPa
Flow rate	6,45 m3/h	Flow rate	6,45 m3/h
kv value	14,42 m3/h	kvs	16 m3/h

Valve data	
Type	VM 2
Code No.	065B2019
dP valve	16,24 kPa
Valve authority	0,54
DN	40 mm
kvs	16 m3/h
PN	25 bar
Medium	Circulation water
Medium alt. 1	Glycolic water up to 30%
tmin	2 °C
tmax	150 °C
No. of ports	2 way
Spindel position	Normally open
Connection type	Ext. thread
Connection size	G 2 A
Valve body	RG 5 (CUSN5ZnPb)
Max. differential pressure	16 bar
Stroke	10 mm
Flow characteristic	Split
Mixing characteristic	-
Cavitation factor	0,5
Control ratio	Min. 50:1
Leakage through port (max.)	max 0.05 % kvs
Pressure relief	Yes
Remarks	Max. dP closing pressure: 16 bar. Glycolic water 30% down to 5 °C.
EAN	5702421509005



Actuator data	
Type	AMV 20
Code No.	082G3007
Running time	150 s
dP Max	1600 kPa
Safety function	No
Supply voltage	230 V ac
Frequency	50 Hz
Power consumption	2,15 VA
Enclosure	54 IP
Control type	3-point
Stem force	450 N
Max. Stroke	10 mm
Spindle speed	15 s/mm
Turn time	0 s
Manual operation	Yes
Spring down (return)	No
Spring up	No
Speed type	Standard
Min. ambient temperature	0 °C
Max. ambient temperature	55 °C
Min. storage temperature	-40 °C
Max. storage temperature	70 °C
Remarks	Built-in torque protection and position indication. Built-in manual operation. Additional accessories: Additional switch (2x)(082G3201), Additional switch (2x) and potentiometer 10 kohm (082G3202), Additional switch (2x) and potentiometer 1 kohm (082G3203). Not allowed: Mounting with the connection upwards.
EAN	5702421510551

