

2-way Control Valve type G2FA

Nodular cast iron, PN 16, DN 200 mm / PN 10, DN 300/250 – 300 mm

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APPLICATIONS

Regulating valve type G2FA is designed for regulating of fresh water, lubricating oil and other liquid media. The valves are designed for use in conjunction with large industrial processes, district heating and marine installations. G2FA is used in conjunction with Clorius valve motor type AVM/AVF 234 or Clorius pneumatic actuators.

DESIGN

The valve components (seats and cone) are made of alu bronze, the spindle of stainless steel. The valve body is made of nodular cast iron and the valve flanges are drilled according to EN 1092-2.

FUNCTION

The valve cone is firmly connected with the motor spindle. The valves will close at rising temperatures. For cooling circuits the valve can be used in conjunction with a reverse acting electric actuator. The linear characteristic will not cease, until the flow has dropped below 4% of the full flow.

TECHNICAL DATA

Materials:

- Valve body	Cast iron EN-GJS-400-15
- Trim	Alu Bronze CuAL10Fe5Ni5
- Valve spindle	Stainless steel (W.no. 1.4436)
- O-ring	AFLAS A75H
- Gasket	Reinz-AFM34

Nominal pressure

- 200 G2FA	PN 16 (max. 120/160°C)
- 300/250-300 G2FA	PN 10 (max. 120/160°C)

Seating	Double seated
Leakage rate	≤ 0.5%
Regulating capability	Kvs/Kvr > 25

Flow characteristic	Almost linear
Flanges according to	EN 1092-2 PN 16 & PN 10

Note! 300/250 G2FA has outer measures and flanges drilled as a 300 G2FA

Counter flanges:	
- 200 G2FA	DIN 2633 - PN 16
- 300/250-300 G2FA	DIN 2632 - PN 10

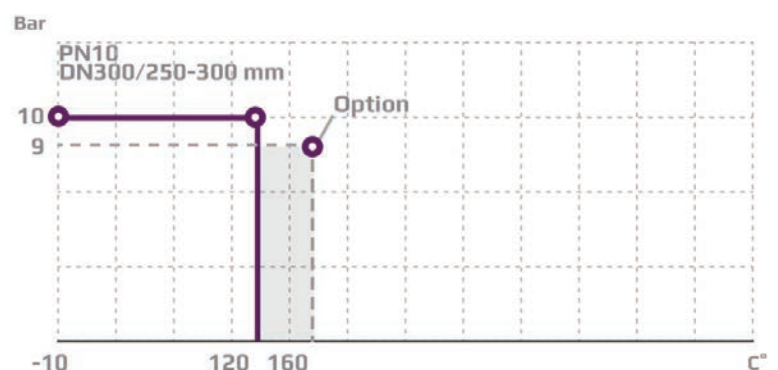
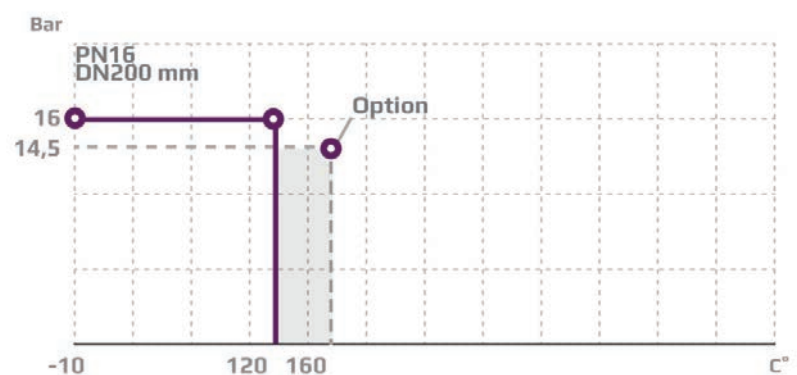
Subject to change without notice.

FEATURES

- Simple design secures reliable controls and reduces costly downtime
- Location of the pack box in the actuator makes the valve service friendly
- Reliable and secure due to internal parts of stainless steel

PRESSURE/TEMPERATURE DIAGRAM

According to DIN 2401

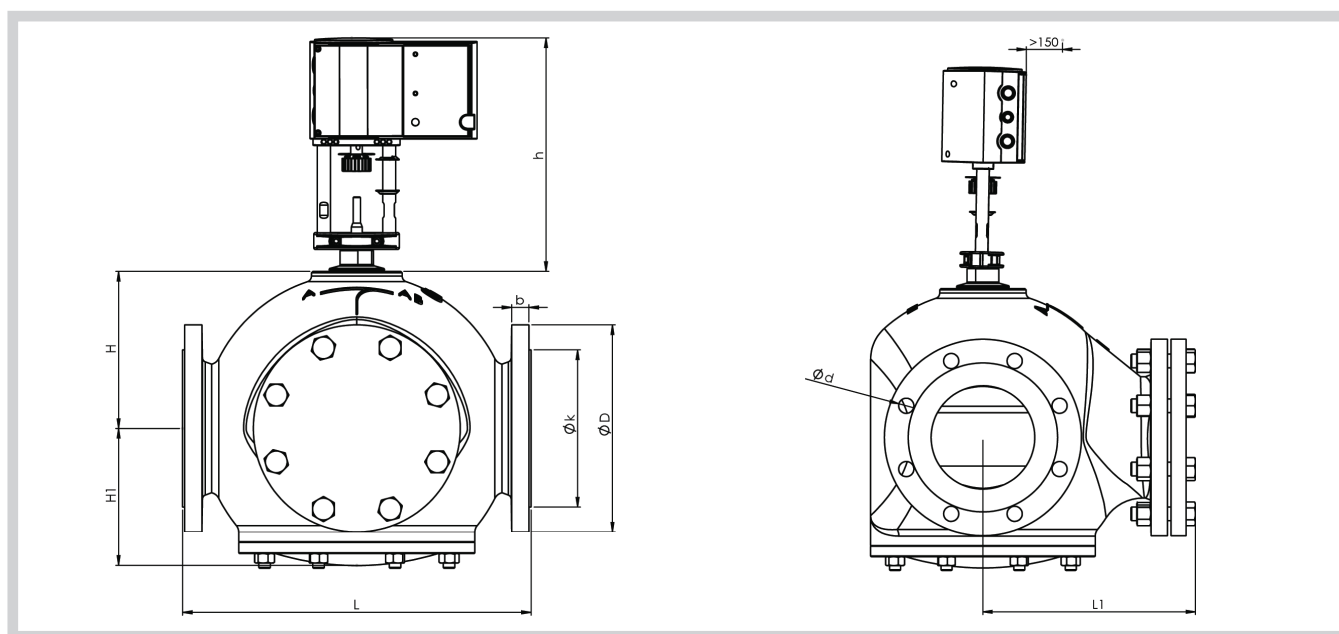


MOUNTING

The valves can be installed with vertical as well as horizontal spindles. The valves must be mounted in a way that the valve motor will be exposed to a minimum of moisture and unnecessary vibrations. Free height above / below the valve must be minimum 400 mm for mounting and operation of the AFM 234 or AVF234 motor. See drawing.



DIMENSION SKETCH



Type	L mm	L1 mm	H mm	H1 mm	b mm	D (dia.) mm	k (dia.) mm	d mm dia. (number)
200 G2FA	600	380	238	238	26	340	295	22x(8)
300/250 G2FA ¹⁾	850	510	305	305	28	445	400	23x(12)
300 G2FA	850	510	305	305	28	445	400	23x(12)

1) Valve type 300/250 G2FA has outer measures and flanges drilled as type 300 G2FA.

SPECIFICATIONS

Type	Flange connection DN in mm	Opening mm	k_{vs} -value m ³ /h	Lifting height mm	Weight kg
200 G2FA	200	200	555	28	160
300/250 G2FA ¹⁾	300	300	865	28	311
300 G2FA	300	300	1250	45	300

1) Valve type 300/250 G2FA has outer measures and flanges drilled as type 300 G2FA.