

Technical characteristics

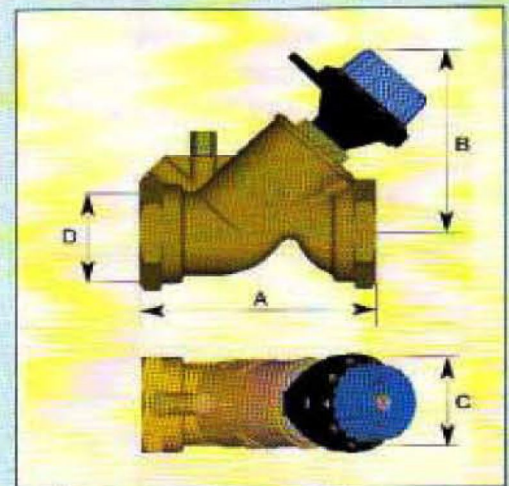
- bronze body, CuPb5Sn5Zn5
- brass mechanism, CuZn40Pb3 and CuZn39Pb2
- seals : EPDM rubber
- valve / flap seat sealed with PTFE seal
- double seal on memory stop, and flow measuring plugs
- control handwheel : polyamide 6-6 containing glass fibre and heat protected
- service pressure : PN 16 (16 bar)
- fluid temperature : -10°C to +120°C



1/2" (15/21)	1" 1/4 (33/42)
3/4" (20/27)	1" 1/2 (40/49)
1" (26/34)	2" (50/60)

Ref.	DN	max. flow rate m ³ /h	flow rate coef. ¹⁾	A	B	C	Weight kg
1400	15	0.06 to 1,2	X 3	80	92	71	0,52
	20	0.2 to 4	X 10	87	95		0,58
	25	0.2 to 4	X 10	97	97		0,72
	32	0.4 to 8	X 20	114	115		1,12
	40	0.6 to 12	X 30	120	115		1,36
	50	1 to 20	X 50	141	125	2,06	

¹⁾ On each valve, the flow rate coefficient is engraved, which is useful for the plugging in of the electronic measuring unit.



Flow rate setting

- Connect the 2 needles on the QUITUS electronic measuring unit ref. 700 N. They can be connected in either direction.
- Read the flow coefficient inscribed on the valve (multiplier 3, 10, 20, 30 or 50)
- Use the buttons on the measuring unit to select this coefficient.
- Turn the handwheel to obtain the required flow, read directly on the QUITUS measuring unit. The speed counter is not needed for this measurement. It can however be used on presetting or for visual opening checks.



To store the setting :

- Remove the plug holding the handwheel (hexagon/3 wrench).
- The max. flow memory screw is located at the bottom. Tighten it as far as it will go, using the same wrench.
- Check to make sure the handwheel cannot open any further.
- Replace the plug on the handwheel. It can be sealed with lead.

Assembly

- Observe the flow direction indicated by an arrow on the body.

Inlet side of the valve for stable and accurate measurement :

- the pipe diameter must be equal to (or greater than) the diameter of the valve;
- the minimum straight length of the pipe must be approximately 5 times the diameter of the valve.

Outlet side : no special requirements

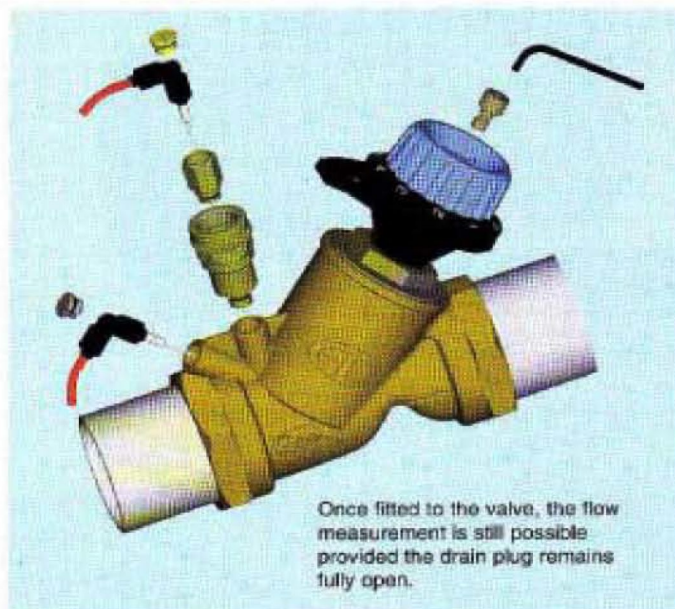
- The position and orientation of the valve do not affect measuring accuracy.

- Leave clear access to the handwheel fixing for the hexagon wrench used to set the maximum flow limit stop.

Flow range

The flow coefficient is inscribed on each valve. The minimum flow rate is the lowest value displayed by the measuring unit. Max. flow applies to the flow rates usually used for heating. It may be exceeded for other applications.

The maximum is the limit given by the electronic measuring unit. However, with applications requiring a certain level of acoustic comfort, do not exceed the usual limits.



Flowmetering balancing valve

Turn counting indicator (visible over/under)

Plug Ref. 199 MS. Removable for the fitting of drain tap Ref. 1400 VI.

Pressure plug with :
- EPDM disc
- Polyamide measuring screw
- Brass plug CuZn40Pb2 with joint

Memory (hidden and leaved memory stop)

Polyamide 6/6 control handwheel

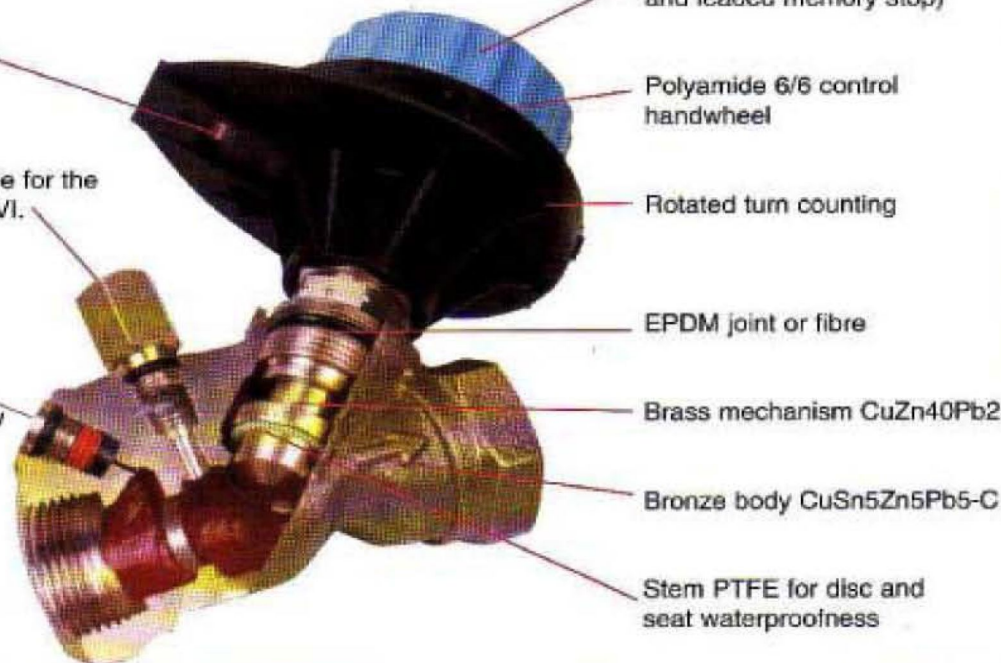
Rotated turn counting

EPDM joint or fibre

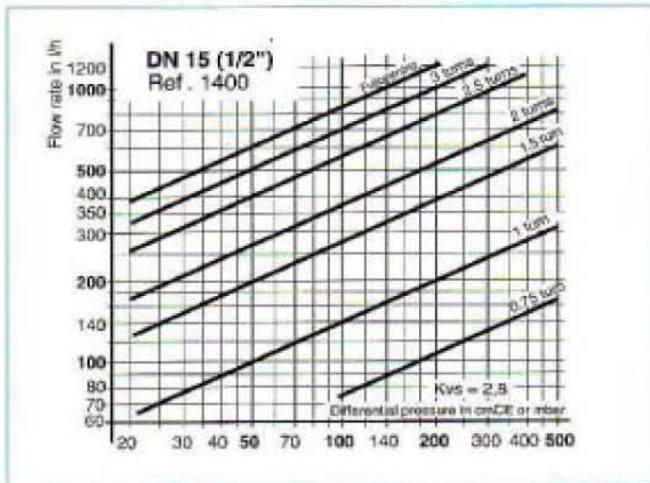
Brass mechanism CuZn40Pb2

Bronze body CuSn5Zn5Pb5-C

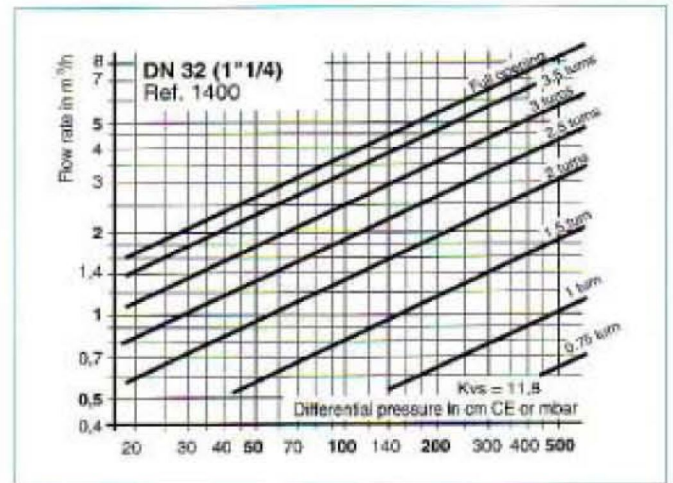
Stem PTFE for disc and seat waterproofness



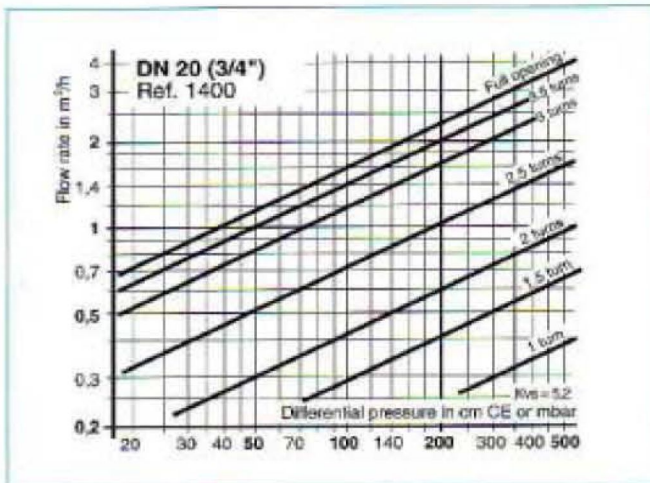
DN 15



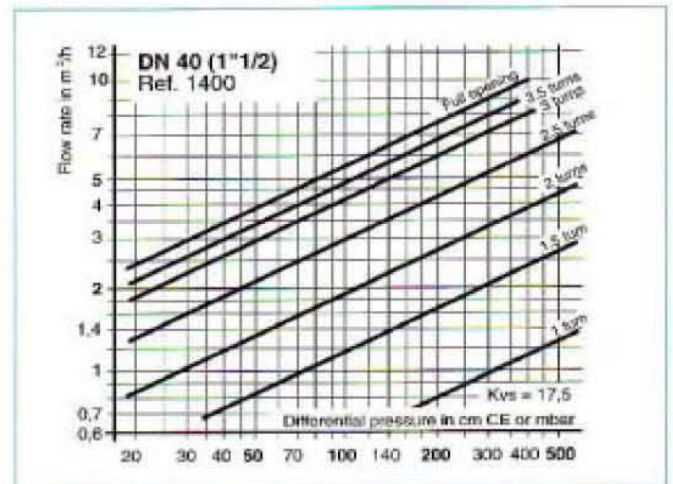
DN 32



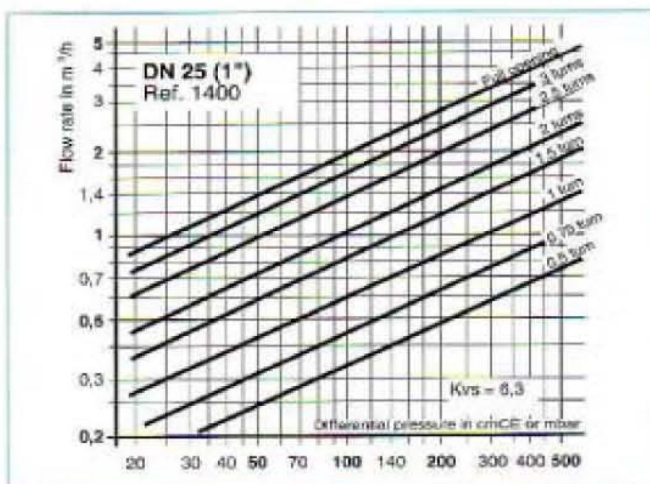
DN 20



DN 40



DN 25



DN 50

