





Threaded Seat Valves made of bronze, stroke 5.5mm

Application

Suitable for use as control valves in small to medium heating, ventilating and air conditioning plants for low-pressure hot water and chilled water systems with permissible fluids as:

- Water: Max. 2°C ...120°C
- Domestic water
- Water with glycol (up to a maximum of 50% as anti-freeze)

Design features

- 3-port valve can be used in mixing or diverting application.
- Maintenance free low friction spindle sealing.
- With threaded valve neck for fitting actuator
- With manual setting knob (supplied as standard).

Technical Data

Nominal Pressure Valve Characteristic 2-port valve 3-port vlave - Through-port - Bypass Leakage 2-port valve 3-port valve - Through-port -Bypass - Valve Body Material - Plug - Spindle **Operating Pressure** Thread dimension - Valve - Fitting Stroke Weight

PN16

l inear Linear Linear

Max. 0.02% of K_{vs} Max. 0.02% of K_{vs} Max. 2% of K_{vs}

Bronze Brass Stainless Steel Max.1600kPa (16bar) To ISO228/1 To ISO7/1 5.5mm see "Dimensions"

When ordering, please give quantity, designation and type code.

Example: 1pc, DN25 three-port seat valve, PN16.

3VG 25.

The fittings are to be ordered separately if required. They are also packed separately.

Types and operating data

2-Port Seat Valves

3-Port Seat Valves

Types	DN	K _{vs} m³/h	Sv	Actutators (kPa) ΔPmax	s EM51 ΔPs	Fitting	Types	DN	K _{vs} m³/h	Sv	Actutate (kF ΔPmax	ors EM51 Pa) ΔPs	Fitting
											Mixing	Diverting	
2VG15	15	3.0	>100	300	400	FG15	3VG15	15	3.0	>100	300	300	FG15
2VG20	20	5.0	>100	300	400	FG20	3VG20	20	5.0	>100	300	300	FG20
2VG25	25	7.5	>100	200	400	FG25	3VG25	25	7.5	>100	200	200	FG25
2VG32	32	12.5	>100	200	400	FG32	3VG32	32	12.5	>100	200	200	FG32

Note: For information on actuator, refer to technical data sheet, TAC/EM51.

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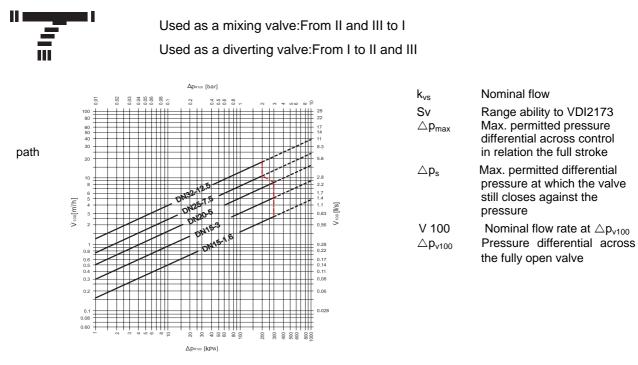
66 Tannery Lane #04-10 Sindo Building Singapore 347805

Tel: +65 6748 2393 Fax : +65 6743 1446 Email: tacasia@singnet.com.sg



Seat Valve, PN16 2VG/3VG

3 port seat valve used as a mixing or diverting valve

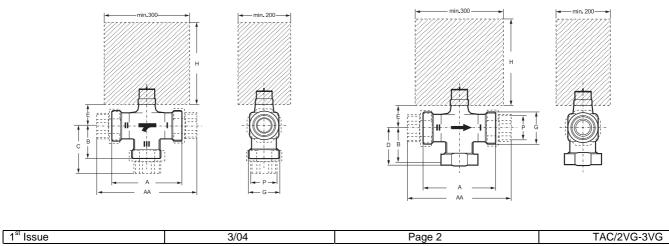


Accessories (Optional)

FGRc	Coupling sets made of brass with taper thread, complete with and
FGRp	Same as FGRc, except with parallel thread
FGNPT	Same as FGRc, but with NPT thread

Dimensions (in mm)

mm inches mm mm mm mm mm mm	mm 2VG 3VG FG
15 ¹ / ₂ " 85 135 33.0 73 37 22.5 G1 ³	200 1.0 0.8 0.15
20 ³ / ₄ " 100 150 50.0 76 59 30.5 G1	/4" 200 1.1 0.9 0.23
25 1" 105 160 52.5 81 62 32.5 G1	/2" 200 1.3 1.0 0.26
32 1 ¹ / ₄ " 105 168 52.5 84 62 39.5 G2"	200 1.9 1.6 0.44



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