





## 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<sub>vs</sub> Max. 0.02% of K<sub>vs</sub> Max. 2% of K<sub>vs</sub>

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 <sub>vs</sub> m³/h	Sv	Actutators (kPa) ΔPmax	s EM51 ΔPs	Fitting	Types	DN	K <sub>vs</sub> 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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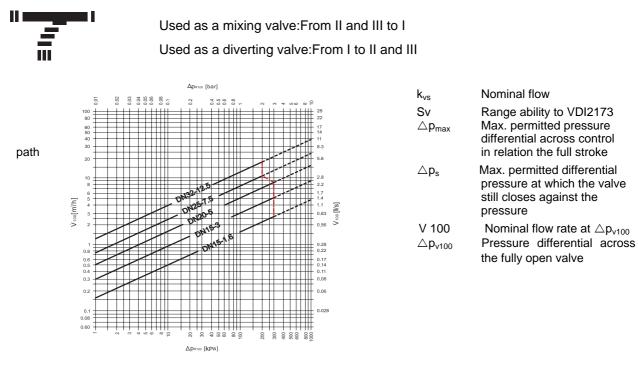
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# Seat Valve, PN16 2VG/3VG

### 3 port seat valve used as a mixing or diverting valve

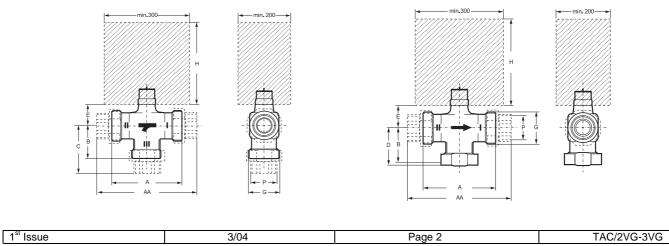


### **Accessories (Optional)**

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 <sup>1</sup> / <sub>2</sub> " 85 135 33.0 73 37 22.5 G1 <sup>3</sup>	200 1.0 0.8 0.15
20 <sup>3</sup> / <sub>4</sub> " 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 <sup>1</sup> / <sub>4</sub> " 105 168 52.5 84 62 39.5 G2"	200 1.9 1.6 0.44



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