

# Seat Valve, PN16 **2VF-3VF**





# 3VF

**PN16** 

0..30% Linear

## PN 16 Flange Seat Valve made of Cast Iron, stroke 20/40 mm.

#### Application

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

- Water Max. -15°C ... 120° C (spindle heater required for fluid temperature < 0°C)
- **Domestic Water**
- Water with glycol (with up to a max. of 50% as anti-freeze

#### **Design features**

Energy saving with tight shut off through soft sealing.

- 3-port valve can be used in mixing or diverting application
- 20/40 mm stroke valves design compatible with Forta actuator
- Maintenance free low friction spindle sealing
- The sealing gland can be replaced without removing the valve

# **Technical Data**

Nominal Pressure Valve Characteristic 2-port valve

3-port valve - Through-port

-Bypass

Leakage

2-port valve 3-port valve - Through-port -Bypass Material - Valve Body - Plug

- Spindle - Stem Gland Seal

**Operating Pressure** Flange connection

Stroke - Up to DN80 - DN100 .. DN150

Weight

### **Ordering information**

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

Example: 1pc, DN80 three-port seat valve, PN16. Model 3VF80

# Types and operating data

### 2-Port Seat Valves

Types	DN	K <sub>vs</sub> m³/h	Sv	Actutators M ΔPmax	/800 (кРа) ΔPs	Types	DN	K <sub>vs</sub> m³/h	Sv	Actutators M ΔPmax	1800 (kPa) ΔPs
2VF65	65	52	>100	100	200	3VF65	65	52	>100	100	100
2VF80	80	79	>100	100	120	3VF80	80	79	>100	100	100
2VF100	100	124	>100	100	100	3VF100	100	124	>100	100	70
2VF125	125	200	>100	100	100	3VF125	125	200	>100	100	60
2VF150	150	300	>100	100	100	3VF150	150	300	>100	100	50

1<sup>st</sup> Issue 3/04 Page 1 TAC/2VF-3VF

#### **TAC Controls Asia Pte Ltd**

66 Tannery Lane #04-10 Sindo Building Singapore 347805 Tel: +65 6748 2393 Fax : +65 6743 1446 Email: tacasia@singnet.com.sg

Ruamcharoen Engineering & Supplies Ltp., Tel : 02-7486096 upto 7 www.ruamcharoen.com

#### **3-Port Seat Valves**

0...30% Linear 30%...100% Equal % (n<sub>al</sub>=3) Linear Max. 0.02% of  $K_{vs}$ Max. 1600kPa (16bar)

30%...100% Equal % (n<sub>d</sub>=3)

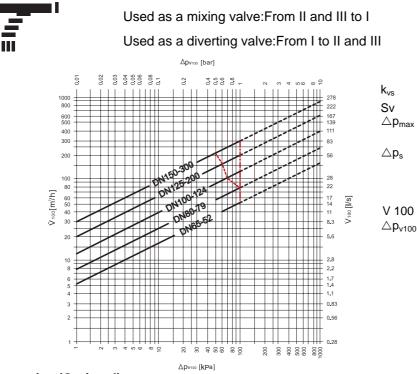
40mm see "Dimensions"

Max. 0.02% of Kvs Max. 0.2% of K<sub>vs</sub> Cast iron GG20 Bronze **Stainless Steel** EPDM O-ring To ISO7005 20mm



# Seat Valve, PN16 2VF-3VF

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

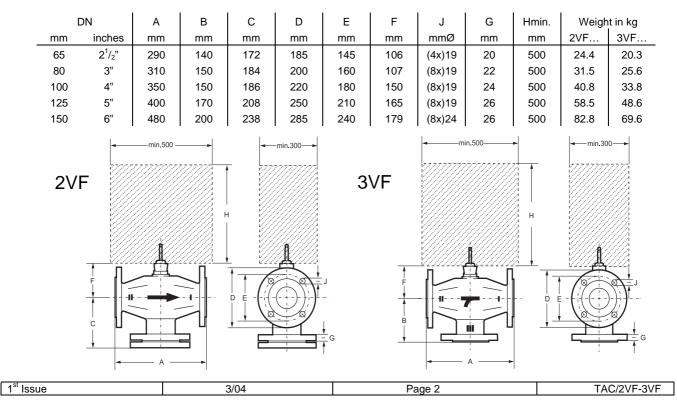


Nominal flow
Range ability to VDI2173
Max. permissible differential pressure across closed valve
Max. permitted differential pressure at which the valve still closes against the pressure
Nominal flow rate at △p<sub>v100</sub>
Pressure differential across the fully open valve

#### **Accessories (Optional)**

SV13 Spindle heating element for valve with stroke 40mm, 24V a.c.

### Dimensions (in mm)



#### **TAC Controls Asia Pte Ltd**

66 Tannery Lane #04-10 Sindo Building Singapore 347805 Tel: +65 6748 2393 Fax : +65 6743 1446 Email: tacasia@singnet.com.sg