

3-port heating mixers



ESBE 3-port mixing valves and actuator

The ESBE 3-port-mixers are high-class mixing valves for heating applications. The matching actuator ARA661 is optionally available.

- Very low leak rate
- Runtime only 120 s (90°)
- Available with different nominal widths and thread sizes

ESBE Actuator ARA661
matching the ESBE mixing valves
Preisgruppe B | Artikel-Nr.: **270 009 30**

ESBE kvs 6,3, ¾" DN20
3-port mixing valve
Preisgruppe B | Artikel-Nr.: **270 009 40**

ESBE kvs 6,3, 1" DN25
3-port mixing valve
Price bracket B | Article no.: **270 009 50**



Euromix 3-port mixer

The Euromix 3-port mixer comes with a pre-mounted actuator and is available up to DN32.

- Pre-mounted combination of mixing valve and actuator
- Easy to install and maintenance-free
- Available with different nominal widths and thread sizes

Euromix ¾" DN20
3-port mixer
Price bracket B | Article no.: **270 009 70**

Euromix 1" DN25
3-port mixer
Price bracket B | Article no.: **270 009 80**

Euromix 1 ¼" DN32
3-port mixer
Price bracket B | Article no.: **270 009 90**

Technical data

ESBE actuator

Power supply: 230V~ (+/- 10 %), 50 Hz
Power consumption: 5 VA
Protection class: II
Ingress protection: IP 41
Ambient temperature: -5 ... +55 °C
Connection cable: 3 x 0,5 mm², l = 1,5 m
Runtime: 120 s/90°
Torque: 6 Nm

ESBE 3-port mixing valve

Connection thread: Rp ¾"/Rp 1"/Rp 1"
Nominal width: DN20/DN25/DN25
Nominal pressure: PN10
Fluid temperature:
-10 ... +110 °C (long-term)/130 °C (short.term)
Torque (at nominal pressure): < 3 Nm
Max. differential pressure:
diverting: 2 bar/mixing: 1 bar
Closing pressure: 2 bar
Flow rate coefficient k_v/k_{vmin} , A-AB: 100
Leak rate:
diverting: 0,02 %/mixing: 0,05 % ($\Delta p = 1$ bar)
 k_{vs} : 6,3 m³/h/6,3 m³/h/10 m³/h ($\Delta p = 1$ bar)
Mixer housing:
dezincification-resistant brass DZR
Valve inlet: abrasion-resistant brass
Shaft and bushing: PPS composite
O-rings: EPDM
Fluid: water, glycol < 50 %

Euromix 3-port mixer

Actuator

Power supply: 230V~ (+/- 10 %), 50 Hz
Power consumption: 3,5 VA
Protection class: II
Ingress protection: IP 44
Ambient temperature: 0 ... 55 °C
Connection cable: 3 x 0,5 mm², l = 2m
Runtime: 210 s/90°
Max. torque: 8 Nm

3-port mixing valve

Connection thread: Rp ¾"/Rp 1"/Rp 1 ¼"
Nominal width: DN20/DN25/DN32
Nominal pressure: PN10
Fluid temperature: 2 ... 110 °C
Max. differential pressure: 1 bar
Leak rate: 0,2 % k_{vs} ($\Delta p = 1$ bar)
 k_{vs} : 7 m³/h/10 m³/h/10 m³/h ($\Delta p = 1$ bar)
Mixer housing: brass (CW617N)
Shaft, rotor, flap: brass (CW617N)
Inlet: PPS
O-rings: EPDM, FKM
Fluid: water, glycol < 50 %