



Manual Adjuster

ASK199

for valves VXG48..., VXB489R..., VXI48...
VVP459..., VXP459..., VMP459..., VVG549...

- **Positioning force 300 N**
- **Manual override with position indication**
- **Overload safety clutch to prevent damage to the valve and to manual override**
- **For direct mounting with coupling nut, no tools required**

Use

For operation of Siemens 2-port and 3-port valves with a nominal stroke of 5.5 mm for water-side manual control of hot water and cooling water in heating, ventilation and air conditioning systems.

Type summary

Type reference	Nominal stroke	Nominal force
ASK 199	5.5 mm	300 N

Ordering

When ordering, please give quantity, product name and type reference.

Example: 10 manual adjusters type ASK199

The minimum order quantity is 10 pieces.

Delivery

The manual adjusters are delivered in multipacks of 10.

Equipment combinations

Type reference	Valve type	k_{vs} [m ³ /h]	PN class	Data Sheet
VXG48...	3-port valves	6.3...20	PN16	N4467
VXB489R...		1.6...16		Q4491
VXI48...		4...16		Q4849
VVP459...	2-port valves	0.63...25		Q4845
VXP459...	3-port valves	0.63...25		
VMP459...	3-port valves with T-bypass	0.63...4		
VVG549...	2-port valves	0.25...6.3	PN25	Q4380

k_{vs} = nominal flow rate of cold water (5...30 °C) through the fully open valve (H_{100}), at a differential pressure of 100 kPa (1 bar).

Other combinations are available on request.

Notes

Engineering

The permissible temperatures must be observed (refer to «Technical data»).

Mounting

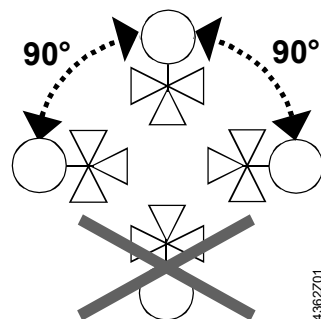
Mounting Instructions 4 319 5623 0 are enclosed with each multipack.

Assembly is made with the coupling nut; no adjustments are required.

The manual adjuster must be fitted in position 0 (also refer to «Manual adjustment»):

Position the actuator and tighten the coupling nut manually.

Orientation

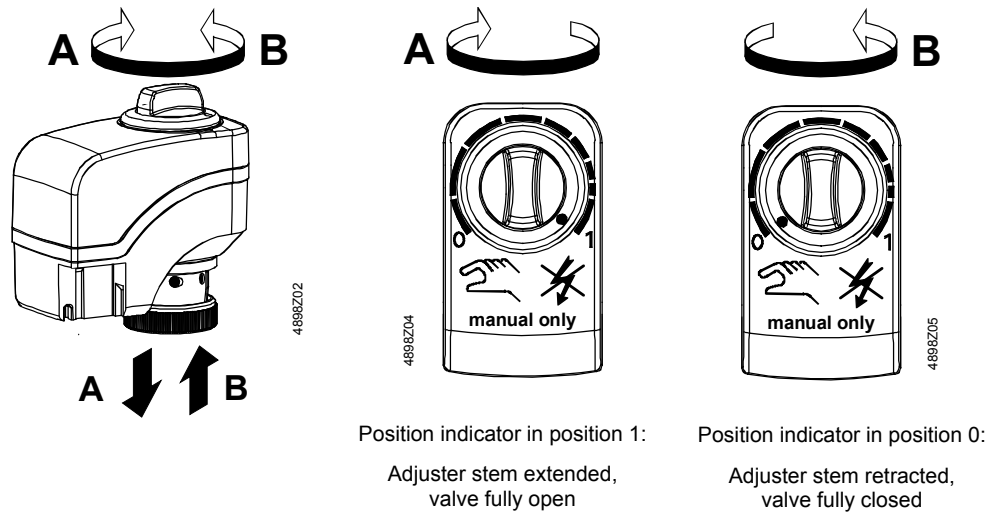


Commissioning

The actuator must only be operated in conjunction with a correctly mounted valve!

Manual adjustment

The manual adjuster can be adjusted manually to any position between 0 and 1. The manually selected position will be maintained.



Position indicator in position 1:

Adjuster stem extended,
valve fully open

Position indicator in position 0:

Adjuster stem retracted,
valve fully closed

Repairs

The manual adjuster cannot be repaired. It must be replaced as a complete unit.

Disposal



The manual adjuster does not contain any electronic components. It can be dismantled and disposed of as required by the different types of material.

Current local legislation must be observed.

Warranty

The technical data relating to specific applications is valid only in conjunction with the Siemens valves listed under «Equipment combinations».

Use of the ASK199 manual adjusters with third-party valves invalidates any warranty offered by Siemens Switzerland Ltd / HVAC Products.

Technical data

Operating data	Nominal stroke	5.5 mm
	Nominal force	300 N
	Permissible temperature of medium in the connected valve	1...+110 °C
Dimensions / weight	Dimensions	refer to «Dimensions»
	Coupling thread to valve	coupling nut, G 3/4"
	Weight	0.145 kg
Housing	Cover	plastic / anthracite, RAL 9011
	Base	plastic / light gray, RAL 7035

General ambient conditions

	Operation EN 60721-3-3	Transport EN 60721-3-2	Storage EN 60721-3-1
Environmental conditions	Class 3K3	Class 2K3	Class 1K3
Temperature	+1...+50 °C	-25...+70 °C	-5...+50 °C
Humidity	5...85 % r.h.	< 95 % r.h.	5...95 % r.h.

Dimensions

Dimensions in mm

