

**Motor control valve in two way form, PN 16 / 25 / 40**  
**Spindle sealing with PTFE-V-ring unit**

DN 15-50	2-5,5kN- actuator .....	421..._1
DN 65-150	2-5,5kN- actuator .....	421..._2
DN 50-150	8-15kN- actuator .....	421...He/f/h
DN 80-150	20/25kN- actuator .....	421...Hi/k
DN 200	12-25kN- actuator .....	421 4/520Hf/h/i/k

**Motor control valve in three way form, PN 16 / 25 / 40**  
**Spindle sealing with PTFE-V-ring unit**

DN 15-150	2-5,5kN- actuator, with mixing plug .....	431...
DN 50-150	8-15kN- actuator, with mixing plug .....	431...He/f/h
DN 200	12/15kN- actuator, with mixing plug .....	431 4/520Hf/h
DN 32-150	2-5,5kN- actuator, with diverting plug .....	432...
DN 50-150	8-15kN- actuator, with diverting plug .....	432...He/f/h
DN 200	12-25kN- actuator, with diverting plug .....	432 4/520Hf/h/i/k

**Motor control valve in two way form, PN 16 / 25 / 40(25)**  
**Spindle sealing with bellow**

DN 15-150	2-5,5kN- actuator .....	451...
DN 50-150	8-15kN- actuator .....	451...He/f/h
DN 200	12-25kN- actuator .....	451 420Hf/h/i/k

**Motor control valve in three way form, PN 16 / 25 / 40(25)**  
**Spindle sealing with bellow**

DN 15-150	2-5,5kN- actuator, with mixing plug .....	461...
DN 15-100	2-5,5kN- actuator, with mixing plug, with weld-on ends .....	461 4/5...-69fs
DN 200	12/15kN- actuator, with mixing plug .....	461 420Hf/h
DN 32-150	2-5,5kN- actuator, with diverting plug .....	462...
DN 200	12-25kN- actuator, with diverting plug .....	462 420Hf/h/i/k

**Motor control valve in three or two way form, PN 16.....** 481...  
**with thread connectors**

**Accessories:**

Additional load dependent limit switches .....	49ev
Potentiometer .....	49f...
Process controller integrated into actuator .....	49r...
Digital positioner integrated into actuator .....	49sr7...
Additional travel dependent limit switch .....	49w.

**Electrical actuators:**

Electrical actuator type 4e1 .....	4e1...
Thrust 1,5-5,5 kN	
Electrical, explosion proof actuator type 4ex .....	4ex...
PTB-certified in accordance to ATEX directive 94/9/EG	
for zone 1, 2, 21, 22, Thrust 0,5-10 kN	
alternatively suitable for most KFM control valve types	

*Other types of actuators, for instance **AUMA** or **SCHIEBEL** products, are alternatively suitable for most KFM-control valve types (on request)*

**Operating instructions:** see group 0