

# **PROCESS AND CONTROL VALVES**

## **AIRPOWER GERMANY**

### **Cast Valve**

- Gate Valve - diameter from 2" to 56" - pressure class from ANSI 150 to 4500 x
- Globe Valve - diameter from 2" to 24" - pressure class from ANSI 150 to 2500 x
- Check Valve - diameter from 2" to 48" - pressure class from ANSI 150 to 2500

### **Forged Valve**

- Gate Valve - diameter from 1/2" to 2" - pressure class from ANSI 150 to 4500 x
- Globe Valve - diameter from 1/2" to 2" - pressure class from ANSI 150 to 4500 x
- Check Valve - diameter from 1/2" to 2" - pressure class from ANSI 150 to 2500
- Ball Valve x Trunnion Ball Valve - diameter from 2" to 56" –Pressure Class

ANSI 150 to 2500

- Split Body Floating Ball Valve - diameter from 1/2" to 12" - pressure class from ANSI 150 to 2500 Butterfly Valve: Flanged, Lug and Wafer Type, Double or Triple Eccentric, Soft or Metal Seated - diameter from 2" to 56" - pressure class from ANSI 150 to 600

### **Actuators**

- Electrical actuators

Design Compact design Brand / make airpower, AUMA, PS, others on request Function On/Off, modulating-duty, position indication: visual Standards Connection actuator / valve acc. to EN ISO 5211 Guideline/inspection ATEX Ambient temperature -40° to +80°C Nominal pivoting angle 90°C Torque 10Nm to 63000Nm Supply voltage 24V/DC, 230V/AC, 400V/AC Modulating actuator Input signal 4-20mA Signal feedback Microswitches, sensors, analogue 4-20mA Enclosure protection IP67

*Single/Double Acting*



- Pneumatic actuators –Single acting –Double acting
- Gearboxes x Extension Systems x TA-LUFT systems x By-pass systems x Outside levers and weights x Position indicators x Limit switches x Remote controls x Special device

- Butterfly valves, Soft Seated and Metal Seated

Execution/design Between flanges „Wafer Type“ LUG Type

Double flanged Operation Optionally with hand lever, manual gearbox, pneum. or el. actuator Nominal diameters DN40 to DN1400 (**1 1/2" to 56"**), bigger sizes on request Nominal pressure PN6, PN10, PN16 Body material GGG40, GGG40.3, GSC-25, cast steel, stainless steel Body coating 2-component-Epoxy resin min. 120µm (Hempel) RAL5009, Option CI5 Liner EPDM-H, NBR, CSM, CR, Silicon, Viton on phenolic backing-ring PTFE with backing ring of EPDM, optionally NBR, Silicone or Viton Working temperature Depending on elastomer -35°C to +200°C Double-eccentric -29°C to +200°C (PTFE/RPTFE) Triple-eccentric -29°C to +450°C (metal seated) Disc 1.4408, 1.4404, Alubronze, Halar-coating, 1.4408-PTFE coated, Hastelloy, Duplex Shafts SS420, SS431, stainless steel Face-to-face Acc. to DIN EN 558, series 20 and API609 Flange standards EN1092-1 PN6, PN10, PN16 ASME B16.1 CLASS125, ASME B16.5 CLASS150 BS10 Form D, Form E, JIS B2239 10K, 16K Vacuum strength Acc. to TA-Luft 10-4 Tightness testing Acc. to DIN EN12266-1 and API598

