

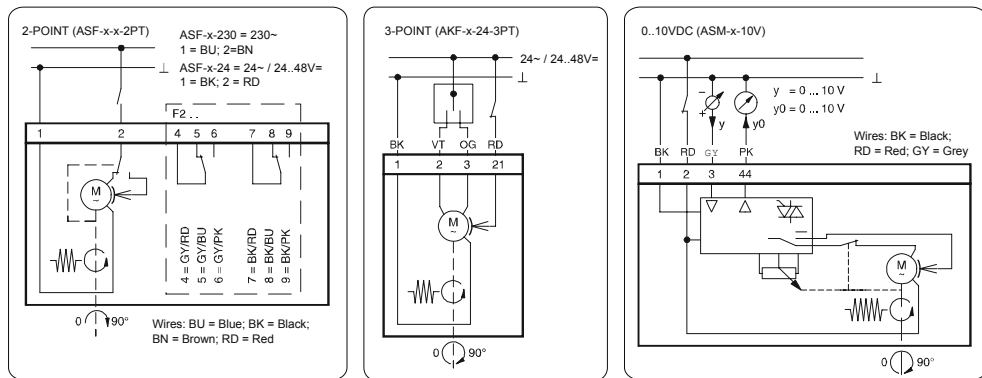
ASF 7Nm and 18Nm Rotary Spring Return Damper Actuators



ASF are rotary actuators with maintenance free gearbox. The actuators are available as 24V 2-Point, 3-point, 230V 2-point or 0..10Vdc versions. With spring return for power failure.

- Power Supply:** ASF-x-24: 24Vac ±20%
ASF-x-230: 230Vac ±10%
ASF-x-10V: 24Vac ±20%
- Control Signal:** ASF-x-24-2PT: 24V 2-Point Switched
ASF-x-24-3PT: 24V 3-Point Switched
ASF-x-230-2PT : 230V 3-Point
ASF-10V: 0..10Vdc, Ri >100kΩ
- Angle of Rotation:** 90°
- Torque:** ASF-7: 7Nm
ASF-18: 18Nm
- Manual Operation:** Via Hexagon Socket
- Damper Spindle:** ASF-7: Ø 6.4..20.5mm, □ 6.4..13mm
ASF-18: Ø 8..25mm, □ 6..8mm
- Running Time (90°):** Motor: 90 secs
Spring: 15 secs
- Cable Length:** 0.9m, 0.75m²
- Ambient Temp:** -32..55°C
- Protection:** IP42/54

WIRING DIAGRAM:-



PART NO	DESCRIPTION
ASM-7-24-2PT	7 NM 24V Spring Return Rotary Actuator, 2-Point Control, 3.0VA
ASM-7-24-3PT	7 NM 24V Spring Return Rotary Actuator, 3-Point Control, 3.0VA
ASM-7-230-2PT	7 NM 230V Spring Return Rotary Actuator, 2-Point Control, 4.6VA
ASM-7-10V	0..10Vdc Spring Return Actuator, 7NM 3.5VA
ASM-18-24-2PT	18 NM 24V Spring Return Rotary Actuator, 2-Point Control, 7.9VA
ASM-18-24-3PT	18 NM 24V Spring Return Rotary Actuator, 3-Point Control, 7.9VA
ASM-18-230-2PT	18 NM 230V Spring Return Rotary Actuator, 2-Point Control, 7.7VA
ASM-18-10V	0..10Vdc Spring Return Actuator, 18NM, 7.5VA

DEF Wafer Butterfly Valves



DEF butterfly valves have been designed for control of water, air and low pressure steam up to 110°C, or for use as a shut-off valve. Valves are used in conjunction with ASM and ASF rotary actuators.

- Flow Rates:** See Table
- Nominal Pressure:** PN 16
- Operating Pressure:** 16bar
- Valve Characteristics:** Linear
- Angle of Rotation:** 90°
- Operating Temp:** -10..130°C
- Valve Operation:** Rotary, 90° Angle
- Leakage Rate:** ≤0.0001% of Kvs

Actuator Selection Guide:

Valve	ASF-7-x ΔP Max (bar)	ASM-15-x ΔP Max (bar)	ASM-30-x ΔP Max (bar)	A44-W2 ΔP Max (bar)
DEF-25	10	10	-	10
DEF-32	10	10	-	10
DEF-40	10	10	-	16
DEF-50	10	10	-	16
DEF-65	7	7	-	16
DEF-80	4	4	-	10
DEF-100	2	2	-	10
DEF-125	-	-	7	6
DEF-150	-	-	6	5
DEF-200	-	-	3	3

PART NO	DESCRIPTION
DEF-25-36	DN25 Kvs 36m ³ /h Butterfly Valve
DEF-32-40	DN32 Kvs 40m ³ /h Butterfly Valve
DEF-40-50	DN40 Kvs 50m ³ /h Butterfly Valve
DEF-50-85	DN50 Kvs 85m ³ /h Butterfly Valve
DEF-65-215	DN65 Kvs 215m ³ /h Butterfly Valve
DEF-80-420	DN80 Kvs 420m ³ /h Butterfly Valve
DEF-100-800	DN100 Kvs 800m ³ /h Butterfly Valve
DEF-125-1010	DN125 Kvs 1010m ³ /h Butterfly Valve
DEF-150-2100	DN150 Kvs 2100m ³ /h Butterfly Valve
DEF-200-4000	DN200 Kvs 4000m ³ /h Butterfly Valve
A44-W2	Rotary Actuator for DEF Butterfly Valves, 3-Point 230Vac
A44-W2S	Rotary Actuator for DEF Butterfly Valves, 0..10V Control
DEF-KIT1-ASM	Assembly Kit for DEF 25..65 for ASM-15
DEF-KIT2-ASM	Assembly Kit for DEF 80..100 for ASM-15, for DEF-125 with ASM-30
DEF-KIT3-ASM	Assembly Kit for DEF 150..200 for ASM-30
DEF-KIT1-A44	Assembly Kit for DEF 25..65 for A44
DEF-KIT2-A44	Assembly Kit for DEF 80..125 for A44
DEF-KIT3-A44	Assembly Kit for DEF 150..200 for A44
DEF-KIT1-ASF	Assembly Kit for DEF 25..100 for ASF-7