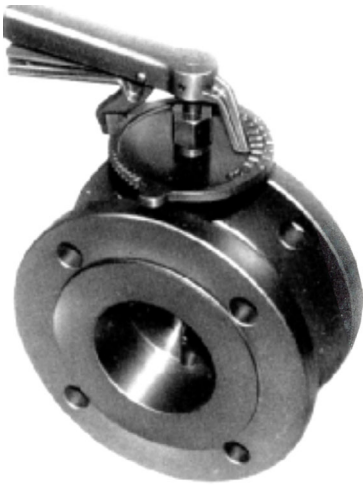


# Type FLD-16 flanged butterfly valve



## **General**

The Type FLD control damper is a valve featuring flanges and should in all cases above DN 200 be installed with the spindle in the horizontal position.

Face-to-face lengths: Manufacturer's standard, special versions possible

Spindle seal: Gland packing, O-sealing rings

Special spindle seal design:

Gland packing with sealing-air feed system or self-adjusting version

featuring cup-springs

## **Operating data:**

With flanges, PN 6/10/16

= DIN 2631; 2632; 2633 (to ANSI possible)

Suitable for temperatures from -40 °C to + 650 °C, depending on

materials selected

Temperature gradations, standard:

$t < 100\text{ °C}$ ,  $100\text{ °C} < t < 350\text{ °C}$ ,  $350\text{ °C} < t < 450\text{ °C}$ ,  $t > 450\text{ °C}$

## **Actuation modes:**

### **Manual:**

Standard, with ratchet adjustment, damper can be locked in at

least 16 positions

Infinitely adjustable fine positioning (SFD-6) (light-weight type)

Locking by means of wing-bolt, acting on the spindle

Infinitely adjustable fine positioning (RDST-32) (heavy-duty type)

Locking by means of clamping of the adjusting lever

Worm-gear actuation systems

Handwheels (chain-wheels)

### **Motor operation:**

electrically operated control and positioning systems for all voltages, including those with spring-operated return systems

Pneumatically operated rotary actuator systems and rams

double and single-action

Hydraulically operated actuator systems

also suitable for flameproof designs,

suitable accessories:

End-position switches, proximity initiators,

positioning actuators, position transducers

Please state operating pressure, fluid, operating temperature,

differential pressure, DN and PN when ordering

# Type FLD-16 flanged butterfly valve

Materials: (Standard)

Other materials available on request

## Type: FLD-16 E/E

Body	St 37
Handle, scale	GG 25
Disk, up to DN 100	St 37
Disk, as from DN 125	GG 25
Spindle	St 37

## Typ FLD-16 E/V

Body	St 37
Handle, scale	GG-25
Disk	1.4301
Spindle	1.4021

Sealing modes in the valve passage

Valve disk contoured closure type  
Valve disk flat-contact type  
(up to max. 90 °C and DN 300)  
body seat ring  
Body seat ring with flexible sealing  
insert sheathed on three sides

## Typ: FLD-16 E/S

Body	St 37
Handle, scale	GG-25
Disk, up to DN 100	St 37
Disk, as from DN 125	GG-25
Spindle	1.4021

## Typ: FLD-16 V/V

Body	1.4301
Handle, scale	1.4301
Disk	1.4305
Spindle	GG-25

Corresponding leakage rates

approx. 1 % of kv 90°  
approx. 0.2 % of kv 90°  
approx. 0.2 % of kv 90°  
approx. 0.02 % of kv 90°

Where not specified to the contrary, we supply butterfly valves up DN 300 in flat-contact type form (max. 90 °C) and in slightly contoured closure form as from DN 350.

DN	Ø d	G	H	Flanschen nach	Flanschen nach	Flanschen nach
				DIN 2631= PN-6	DIN 2632= PN-10	DIN 2633= PN-16
				B	B	B
32	10	110	121	70	80	80
40	10	110	124	75	85	85
50	10	110	130	75	90	90
65	12	125	138	75	90	90
80	12	125	145	85	100	100
100	12	125	157	90	105	105
125	12	125	170	95	110	110
150	15	125	234	95	110	110
200	15	220	260	110	125	125
250	15	220	287	120	135	140
300	20	220	332	125	135	155
350	25	220	393	125	135	165
400	30	220	438	130	145	170
500	30	220	489	135	150	180
600	30	220	540	140	160	190

