

# Type EDR weld-in butterfly valves



## **General**

Our weld-in butterfly valves are suitable for liquid and granular fluids, such as water, steam and oil up to a maximum operating temperature of 300 °C. Please enquire separately for higher operating temperatures. We execute your pipe diameters in accordance with the ISO recommendation - here too, please enquire separately for other sizes and special lengths. These valves can also be supplied on request with plain flanges to DIN standards (PN 6/10) and/or with imperial system (inch) dimensioned end threads.

## **Actuation modes:**

### **Manual:**

Type I  
with locking nut

Type II  
with ratchet handle, damper can be locked in  
at least 16 positions

Type II/F  
infinitely adjustable fine positioning,  
locking by means of wing-bolts

### **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

Where not specified to the contrary, we supply butterfly valves up to external diameter = 219.1 mm in flat-contact type form (max. 90 °C, leakage approx. 0.2 % of Kvs value) and in slightly contoured closure form (leakage approx. 1 % of Kvs value) as from external diameter = 267 mm.

Please state operating pressure, fluid, operating temperature, differential pressure and external diameter when ordering

Please refer to our catalogue for further control and isolating and shut-off dampers. Special designs with ceramic lining, etc., on request.

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## Materials: (Standard)

(nobler materials can be supplied if required!)

### Typ I

Pipe	Steel
Disk	St/GG
Spindle	Brass/steel
Gland	St, zinc-plated
Union nut	Steel
Throat thread	Steel
Locking nut	GG

### Typ II / II F

Pipe	Steel
Disk	St/GG
Spindle	Brass/steel
Gland	St, zinc-plated
Union nut	Steel
Throat thread	Steel
Nut	Steel
Scale	GG/aluminium
Spring	Steel
Handle	GG/aluminium

D1	D2	Ø d	H	B
17,3	21,0	8	80	80
<b>22,3</b>	<b>27,0</b>	<b>8</b>	<b>84</b>	<b>100</b>
27	33,7	8	87	130
<b>33</b>	<b>38,0</b>	<b>8</b>	<b>89</b>	<b>140</b>
37	42,4	8	91	140
<b>39</b>	<b>44,5</b>	<b>8</b>	<b>92</b>	<b>140</b>
43	48,3	8	94	140
<b>46</b>	<b>51,0</b>	<b>8</b>	<b>96</b>	<b>150</b>
49	54,0	8	97	150
<b>51</b>	<b>57,0</b>	<b>8</b>	<b>100</b>	<b>150</b>
54	60,3	10	100	150
<b>57</b>	<b>63,5</b>	<b>10</b>	<b>103</b>	<b>150</b>
64	70,0	10	105	170
<b>70</b>	<b>76,1</b>	<b>10</b>	<b>106</b>	<b>170</b>
76	82,5	10	111	170
<b>82</b>	<b>88,9</b>	<b>10</b>	<b>116</b>	<b>180</b>
88	95,0	10	118	180
<b>94</b>	<b>101,6</b>	<b>10</b>	<b>121</b>	<b>180</b>
100	108,0	10	124	180
<b>107</b>	<b>114,3</b>	<b>10</b>	<b>127</b>	<b>180</b>
119	127,0	12	143	200
<b>125</b>	<b>133,0</b>	<b>12</b>	<b>147</b>	<b>200</b>
131,7	139,7	12	150	200
<b>137</b>	<b>146,0</b>	<b>12</b>	<b>153</b>	<b>200</b>
150	159,0	12	160	230
<b>159</b>	<b>168,3</b>	<b>12</b>	<b>164</b>	<b>230</b>
167,8	177,8	12	169	200
<b>182</b>	<b>193,9</b>	<b>12</b>	<b>177</b>	<b>300</b>
207	219,1	12	190	300
<b>254</b>	<b>267,0</b>	<b>15</b>	<b>284</b>	<b>300</b>
260,4	273,0	15	287	300
<b>309</b>	<b>323,9</b>	<b>20</b>	<b>332</b>	<b>330</b>
339	355,6	20	348	330
<b>389</b>	<b>406,4</b>	<b>20</b>	<b>373</b>	<b>330</b>
399	419,0	20	380	330
<b>486</b>	<b>508,0</b>	<b>25</b>	<b>459</b>	<b>330</b>
533	558,0	25	484	330

