

GEMÜ 417

Manually operated butterfly valve



Features

- Low weight
- Corrosion resistant plastic body
- Simple installation with union nut
- Ergonomic handle with anti-twist system and locking device

Description

The GEMÜ 417 butterfly valve has an ergonomically designed corrosion resistant plastic hand lever. It can be protected against accidental operation by the integrated locking device.

Technical specifications

- **Media temperature :** 0 to 60 °C
- **Ambient temperature:** -10 to 60 °C
- **Operating pressure :** 0 to 6 bar
- **Nominal sizes:** DN 15 to 50
- **Connection types:** Union end
- **Connection standards:** BS I DIN
- **Housing materials:** PVC-U, grey
- **Liner materials:** EPDM I FKM
- **Disc materials:** PVDF
- **Conformities:** EAC

Technical data depends on the respective configuration



Product line

				
	GEMÜ K410	GEMÜ 417	GEMÜ 410	GEMÜ 423
Operation				
With bare shaft	●	-	-	-
Manual	-	●	-	-
Pneumatic	-	-	●	-
Motorized	-	-	-	●
Nominal sizes	DN 15 to 50	DN 15 to 50	DN 15 to 50	DN 15 to 50
Media temperature	0 to 60 °C	0 to 60 °C	0 to 60 °C	0 to 60 °C
Operating pressure	0 to 6 bar	0 to 6 bar	0 to 6 bar	0 to 6 bar
Connection types				
Union end	●	●	●	●
Conformities				
CSA	-	-	-	●
EAC	●	●	●	●

Product description



Item	Name	Material
1	Valve body	PVC-U, grey
2	Pipe connections	PVC-U, grey
3	Locking device	PP-RT
4	Manual override	PP-H

Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Order codes

1 Type	Code
Butterfly valve, manually operated	417

2 DN	Code
DN 15	15
DN 20	20
DN 25	25
DN 32	32
DN 40	40
DN 50	50

3 Body configuration	Code
2/2-way body	D

4 Connection type	Code
Union end with DIN insert (socket)	7
Union end with inch insert - BS (socket)	33

5 Body material	Code
PVC-U, grey	1

6 Shut-off seal material	Code
FPM	4
EPDM	14

7 Control function	Code
Manually operated (MO)	0

Order example

Ordering option	Code	Description
1 Type	417	Butterfly valve, manually operated
2 DN	25	DN 25
3 Body configuration	D	2/2-way body
4 Connection type	7	Union end with DIN insert (socket)
5 Body material	1	PVC-U, grey
6 Shut-off seal material	14	EPDM
7 Control function	0	Manually operated (MO)

Technical data

Medium

Working medium: Corrosive, inert, gaseous and liquid media which have no negative impact on the physical and chemical properties of the body, disc and seal material. The product is only suitable for use with fluids of group 2 according to the Pressure Equipment Directive.

Temperature

Media temperature: 0 – 60 °C

Ambient temperature: -10 – 60 °C

Storage temperature: 0 – 40 °C

Pressure

Operating pressure: 0 – 6 bar

Kv values:

DN	Kv values
15	7
20	13
25	17
32	33
40	53
50	74

Kv values in m³/h

Pressure/temperature correlation:

Material	Code	Temperature in °C (valve body)						
		10	20	25	30	40	50	60
PVC-U	1	6.0	6.0	6.0	6.0	6.0	3.5	1.5

All pressures are gauge pressures.

The permissible operating pressure depends on the working medium temperature.

Mechanical data

Torques:

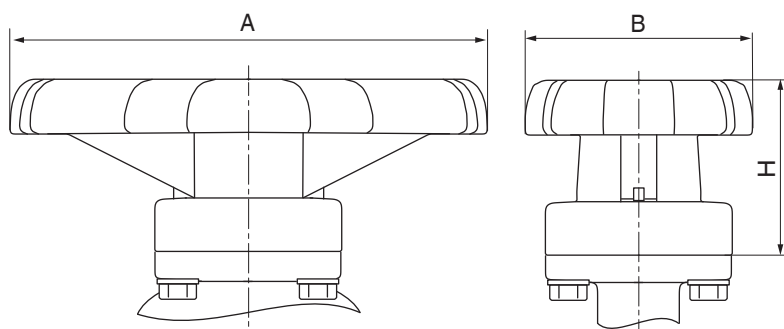
DN	Torques
15	6.0
20	6.0
25	6.0
32	8.0
40	20.0
50	21.0

Torques in Nm

Weight:

DN	Weights
15	360
20	360
25	360
32	480
40	630
50	830

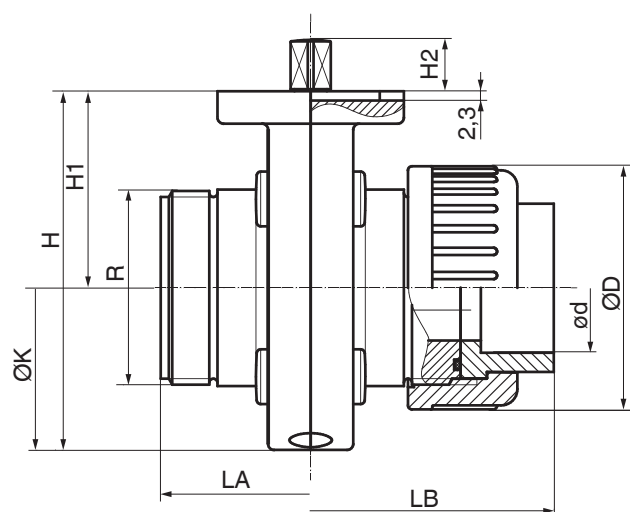
Weight in g

Dimensions**Actuator dimensions**

DN	A	B	H
15 - 25	118	55	42
32 - 50	160	71	63

Dimensions in mm

Body



DN	LA	LB	H	H1	H2	øD	ød	R	øK
15	74.0	114.0	89.0	48.5	13.0	60.0	20.0	G 1 1/2	80.0
20	74.0	118.0	89.0	48.5	13.0	60.0	25.0	G 1 1/2	80.0
25	74.0	124.0	89.0	48.5	13.0	60.0	32.0	G 1 1/2	80.0
32	80.0	138.0	106.0	57.5	13.0	74.0	40.0	G 2	96.0
40	94.0	162.0	112.0	58.0	13.0	83.0	50.0	G 2 1/4	108.0
50	106.0	188.0	137.0	74.0	13.0	103.0	63.0	G 2 3/4	126.0

Dimensions in mm



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