

TECHNICAL DATA SHEET TYPE 607 HPW

High Purity Plastic Diaphragm Valve 2/2-way, manually operated

Description

High Purity diaphragm valve, manually operated 2/2 way in a compact design and with high flow capability. For corrosive and inert liquids and gases.

Especially suitable for high purity media.

Construction

This valve is especially suitable for applications involving high purity media due to the use high purity fluoropolymers such as PFA and PVDF, its cavity-free construction as well as being **manufactured under clean-room conditions**.

The compact construction of this valve makes it an ideal choice where space is at a premium.

The manual valves of this type series are fitted with a seal adjuster as standard in order to protect the sealing diaphragm against overclosure.

Advantages

Lowest contamination

Use of high purity materials, absolutely free from any metal except for 4 connecting bolts

Cavity-free

Compact design

Optical position indicator fitted as standard

Maintenance-free actuator

Optional mounting position

Optional flow direction

High Kv/Cv value

Seal adjuster, adjustable minimal flow



Type 607 HPW

GEMÜ® VALVES, ACTUATORS
AND CONTROL SYSTEMS

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High Purity Plastic Diaphragm Valve 2/2 way, manually operated

Working medium: Suitable for any corrosive or inert gas or liquid (limited by use of "TMAH"), especially high purity media, subject to the correct choice of body and diaphragm material. The valve will seal against flow in either direction up to full working pressure.

Working pressure: max. 6 bar, applied upstream

Max. working temperature: 90° C

Nominal size: DN 6

Kv/Cv-value: 13 l/min;
0,93 gall/min

Connections/Dimensions:

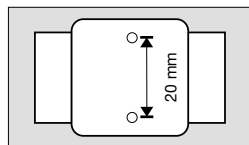
Connections	DN	Ref.no.
Threaded sockets G 1/4	6	1
Threaded sockets G 1/4 NPT	6	31
Flare connection 3/8" with PVDF nut with PFA nut recommended for "TMAH"	6	75
		77

Valve body material	Ref.no.
PFA inliner with PVDF (natural) casing	24
PFA-inliner with PP casing	28

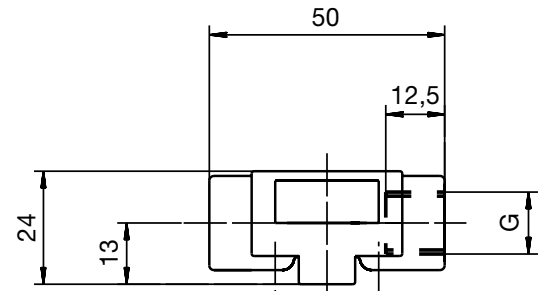
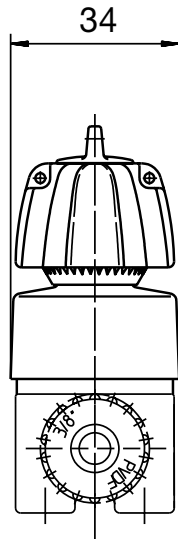
Diaphragm material	Ref.no.
PTFE	5A

Control function	Ref.no.
Manually controlled	0

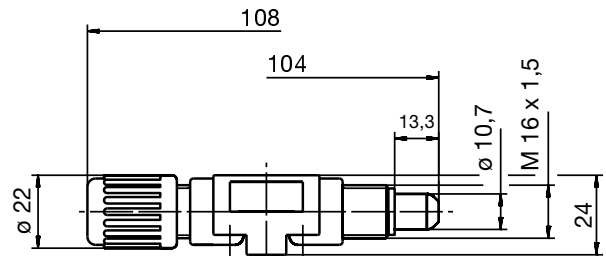
Mounting holes in the valve body (bottom)



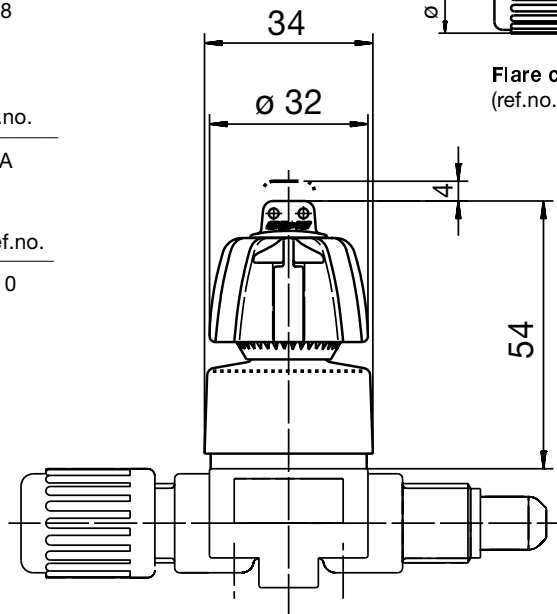
Thread M5,
hole distance 20 mm



Connection female thread (ref.no.1) G 1/4, DN 6
Connection female thread (ref.no.31) G 1/4 NPT, DN 6



Flare connection 3/8", DN 6 = OD 0,375"/ID 0,251"
(ref.no.75 and 77)



Order example	607	6	D	75	24	5A	0	HPW
Type	607							
Nominal bore (mm)		6						
Body configuration (D)			D					
Connection (ref.no.)				75				
Body material (ref.no.)					24			
Diaphragm material (ref.no.)						5A		
Control function (ref.no.)							0	
Design								HPW



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