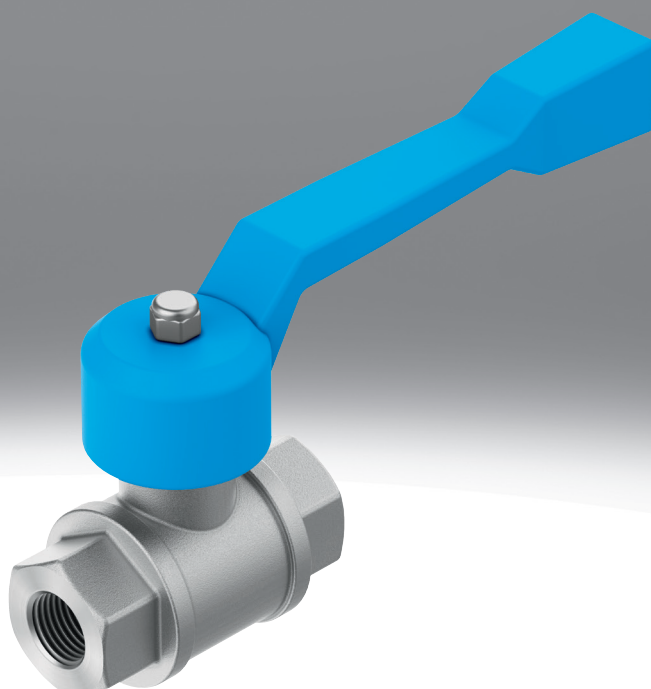


Ball valve QH

FESTO



Characteristics

At a glance

- Shut-off valve, manually operated
- Product complies with ISO 1179-1 and ISO 228-1

Note: Not permitted for toxic gases such as natural gas, mains gas, etc.

Type code

001	Series
QH	Ball valve

002	Pneumatic connection 1
G14	G1/4
G38	G3/8
G12	G1/2
G34	G3/4
G1	G1
G112	G1 1/2

Datasheet

Datasheet



Pneumatic connection, port 1	G1/4	G3/8	G1/2	G3/4	G1	G1 1/2
Pneumatic connection, port 2	G1/4	G3/8	G1/2	G3/4	G1	G1 1/2
Nominal size	12 mm		15 mm	20 mm	25 mm	40 mm
Design	Ball valve					
Type of mounting	Inline installation					
Mounting position	Any					
Valve function	2/2-way, double solenoid					
Type of actuation	Manual					
Sealing principle	Soft					
Actuating torque	4 Nm		8 Nm	12 Nm	15 Nm	25 Nm
Standard nominal flow rate (standardised to DIN 1343)	3,400 l/min	7,500 l/min	11,500 l/min	21,000 l/min	33,000 l/min	84,000 l/min
Nominal pressure PN	40			30		20
Conforms to standard	ISO 228-1					

Operating and environmental conditions

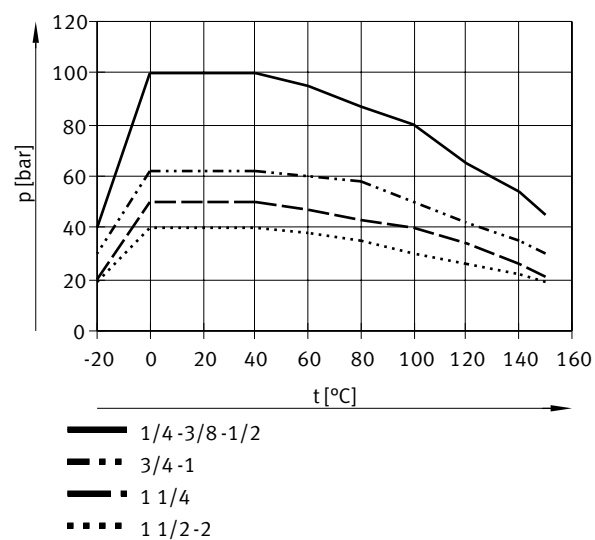
Medium	Compressed air to ISO 8573-1:2010 [---] Inert gases Water – no steam Neutral fluids Other media on request
Media temperature	-20 ... 150°C
Corrosion resistance class CRC ¹⁾	1 - Low corrosion stress

1) More information www.festo.com/x/topic/kbk

Materials

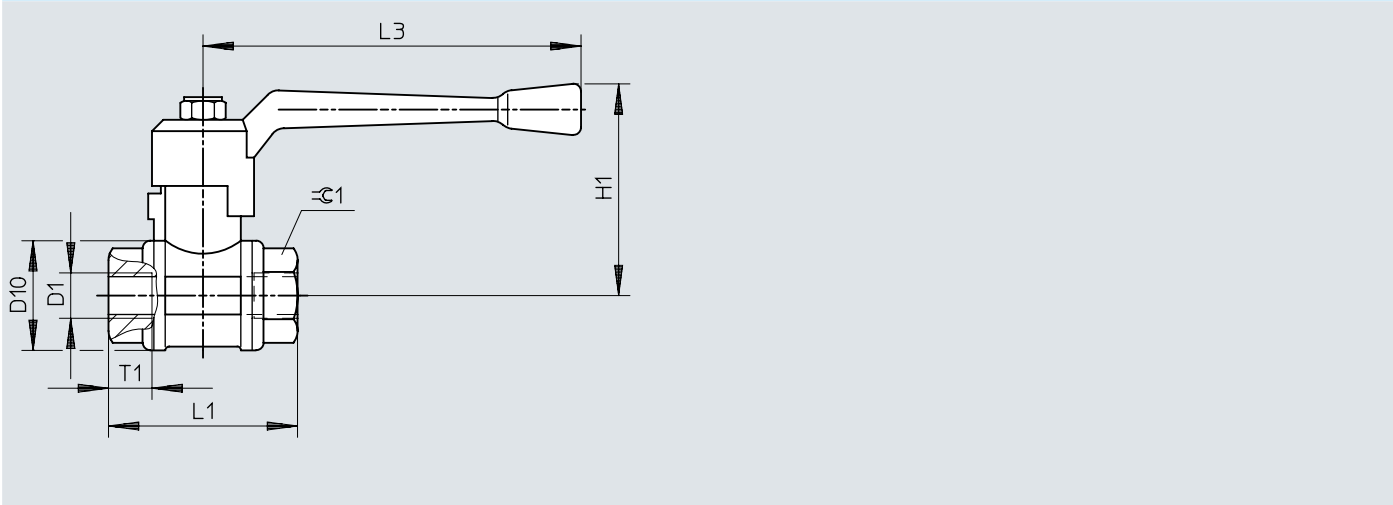
Material housing	Brass
Material seals	Fluoro rubber, PTFE
Material ball	Chrome-plated brass
Material shaft	Brass
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Datasheet

Permissible operating pressure p as a function of medium temperature t 

Dimensions

Dimensions – Female thread at both ends Download CAD data www.festo.com



	D1	D10 ∅	H1	L1	L3	T1	∅ 1
QH-1/4	G1/4	30	56	52	100	11,5	21,5
QH-3/8	G3/8	30	56	52	100	11,5	21,5
QH-1/2	G1/2	35	59	64	100	15	27
QH-3/4	G3/4	44	72	74	120	16,3	32
QH-1	G1	51	77	88	120	19,1	41
QH-1 1/2	G1 1/2	73	100	105,5	150	21,4	55

Ordering data

Ordering data – Female thread on both sides						
	Pneumatic connection, port 1	Pneumatic connection, port 2	Standard nominal flow rate (standardised to DIN 1343)	Product weight	Part no.	Type
	G1/4	G1/4	3,400 l/min	180 g	9541	QH-1/4
	G3/8	G3/8	7,500 l/min	185 g	9542	QH-3/8
	G1/2	G1/2	11,500 l/min	340 g	9543	QH-1/2
	G3/4	G3/4	21,000 l/min	610 g	9544	QH-3/4
	G1	G1	33,000 l/min	830 g	9545	QH-1
	G1 1/2	G1 1/2	84,000 l/min	1,730 g	6837	QH-1 1/2