



# KGH

2-WAY BALL VALVE  
MADE FROM PP OR PVDF

# PRODUCT FEATURES

1

## ERGONOMIC HANDLE

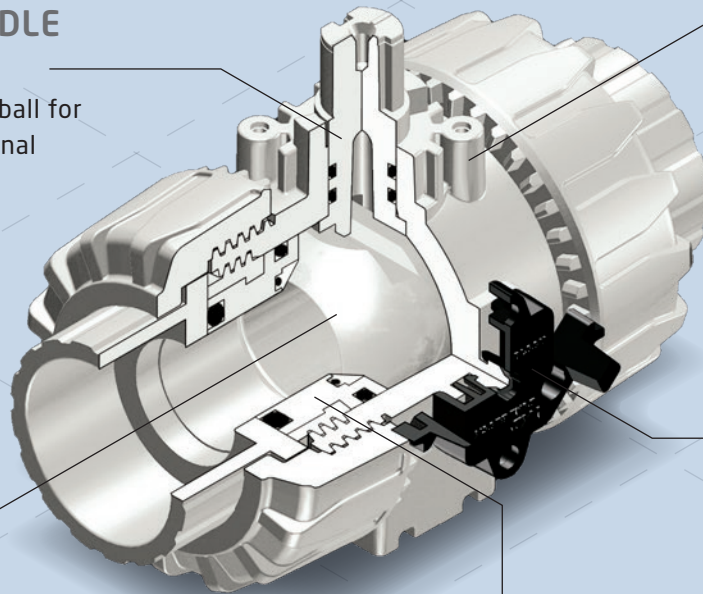
with removable valve adjustment tool.



2

## DOUBLE SEALED SPINDLE

and double groove connection to the ball for maximum operational safety.



4

## INTEGRATED BRACKET

for easy retrofitting to electric or pneumatic drive (available on request).

5

## PATENTED LOCKING DEVICE

to secure the union nut with vibrations or thermal load.

3

## REWORKED BALL WITH VERY HIGH SURFACE FINISH

for absolute tightness over the entire duration of use.

6

## TWO-PART BALL SEAT SUPPORT

for reduced friction and increased life of the seals.



# KGH

2-Way ball valve made from PP or PVDF

**Housing materials:** PP or PVDF

**Elastomers:** FKM or EPDM

With the KGH series, SCHMITT offers a 2-way ball valve made of chemical-resistant plastics to complement its pump range, which meets the highest industrial requirements. Features such as the patented locking device, the two-part ball seat support and a double-sealed spindle also contribute to increase operational safety.

## Characteristics

- All wet parts made of high-quality, corrosion-resistant plastics (PVDF or PP)
- Elastomers available in FKM and EPDM
- Available with welding socket, welding spigot, threaded connections according to ISO 228-1 or flange connections as standard
- Equipped with integrated, injection-moulded fixings for valve- or pipe fixing

## Field of applications

Shut-off and control of acids, alkalis or other corrosive, harmful or toxic liquids, harmful or toxic liquids.

### For example in the following applications:

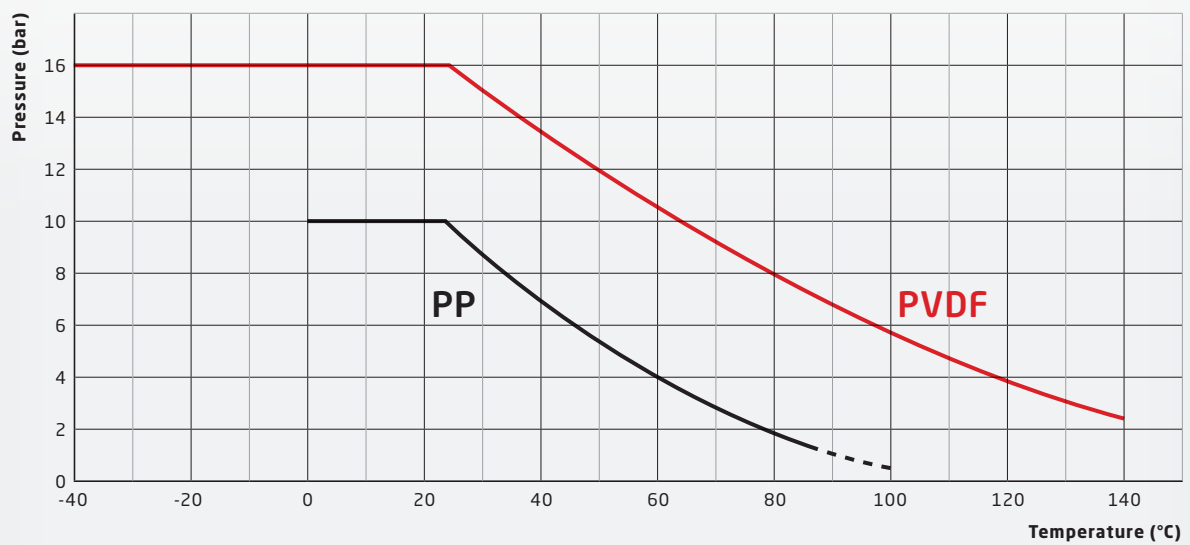
- Plating and surface coating
- Semiconductor technology and solar cell production
- PCB and electronics manufacturing
- Wastewater and fresh water treatment
- Laboratory equipment and medical technology
- Emission controls and gas scrubbers
- Battery production and energy storage
- High-purity applications, demineralized water, ultrapure water

## Advantages:

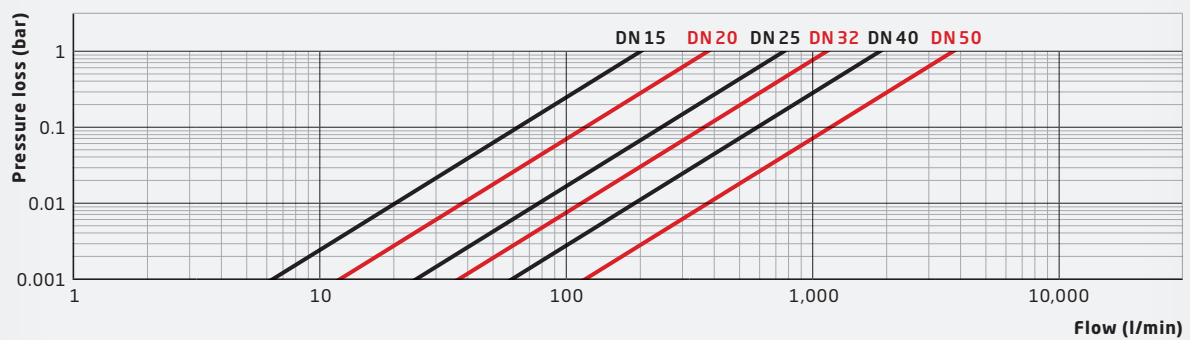
- + Absolute operational safety even under vibrations or thermal loads due to unique locking device
- + Increased service life of the seals due to two-part ball seat carrier
- + Extremely high mechanical resistance due to high surface quality, double sealed spindle and double groove connection to the ball

# SYSTEM PRESSURE

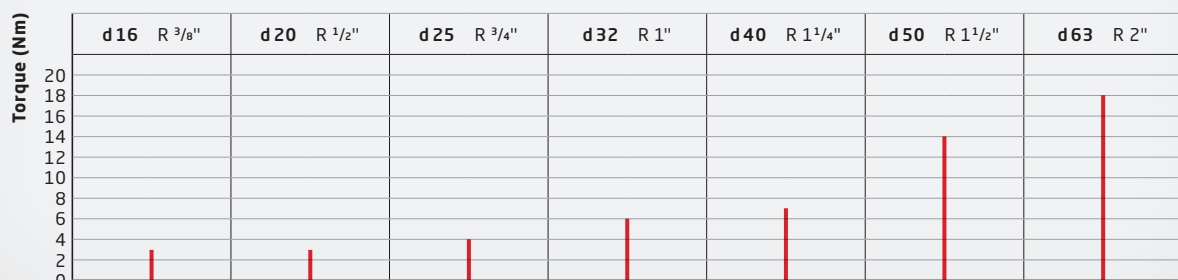
Pressure/temperature diagram for water and media to which the material is resistant.



# PRESSURE LOSS



# ACTUATING MOMENT

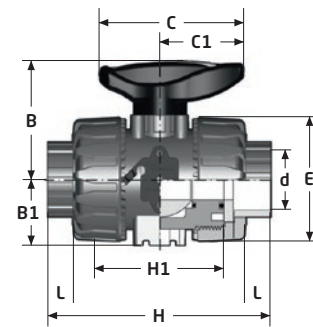


# DIMENSIONS

## KGH 2-WAY BALL VALVE

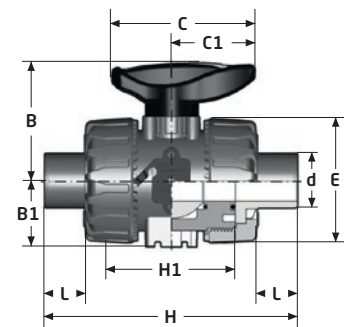
With secured union nuts and metric welding sockets.  
PTFE/EPDM or PTFE/FKM seals. Dimensions in mm.

d	DN	L	H	H1	E	B	B1	C	C1
16	10	14	103	65	54	54	29	67	40
20	15	16	103	65	54	54	29	67	40
25	20	19	115	70	65	65	34.5	85	49
32	25	22	128	78	73	69.5	39	85	49
40	32	26	146	88	86	82.5	46	108	64
50	40	31	164	93	98	89	52	108	64
63	50	38	199	111	122	108	62	134	76



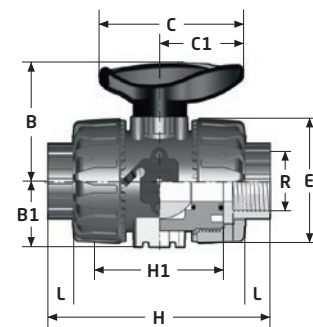
With secured union nuts and metric welding spigots.  
PTFE/EPDM or PTFE/FKM seals. Dimensions in mm.

d	DN	L	H	H1	E	B	B1	C	C1
16	10	14	149	65	54	54	29	67	40
20	15	16	124	65	54	54	29	67	40
25	20	19	144	70	65	65	34.5	85	49
32	25	22	154	78	73	69.5	39	85	49
40	32	26	174	88	86	82.5	46	108	64
50	40	31	194	93	98	89	52	108	64
63	50	38	224	111	122	108	62	134	76



With secured union nuts and threaded sockets with threaded connection.  
According to ISO 228-1. Seals made of PTFE/EPDM or PTFE/FKM. Dimensions in mm.

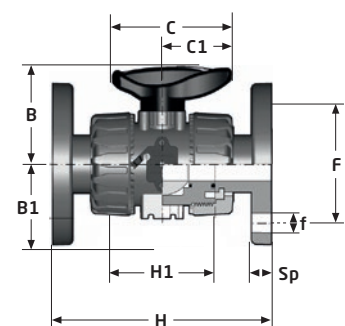
R	DN	L	H	H1	E	B	B1	C	C1
3/8"	10	11.4	103	65	54	54	29	67	40
1/2"	15	15	110	65	54	54	29	67	40
3/4"	20	16.3	116	70	65	65	34.5	85	49
1"	25	19.1	134	78	73	69.5	39	85	49
1 1/4"	32	21.4	153	88	86	82.5	46	108	64
1 1/2"	40	21.4	156	93	98	89	52	108	64
2"	50	25.7	286	111	122	108	62	134	76



Only available for PP ball valves.

With secured union nuts and loose-type flanges according to ISO 7005 (EN 1092,  
DIN 2501). Installation lengths according to EN 558-1. Dimensions in mm.

d	DN	B	B1	C	C1	F	f	H	H1	Sp
20	15	54	29	67	40	65	14	130	65	11
25	20	65	34.5	85	49	75	14	150	70	14
32	25	69.5	39	85	49	85	14	160	78	14
40	32	82.5	46	108	64	100	18	180	88	14
50	40	89	52	108	64	110	18	200	93	16
63	50	108	62	134	76	125	18	230	111	16





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