Ball Valve C 110

Advantages
- kompact design
- removable ball seat and ball
- optimized inner ball diameter for high k_v-value

Utilisation
- to shut off pipeline systems

Flow media
- Neutral fluid or gaseous media, free of solids. With the planned use of aggressive media, please consult with a detailed specification of medium pressure and temperature.

Examinations
- Shell test ISO 9393-2
- Seat and packing test ISO 9393-2

Nominal pressure (H_2O, 20°C)
- PN 16 acc. ISO 9393-2

Media temperature
- see pressure/temperature diagram

Operating pressure
- see pressure/temperature diagram

Size
- DN 80 / DN 100 / DN 150

Body
- PP, green

Ball
- PP, grey

Ball seat
- PTFE

Sealings
- EPDM

Actuation
- with hand lever, also as position indicator

Connection
- wafer flange type acc. DIN EN 1092

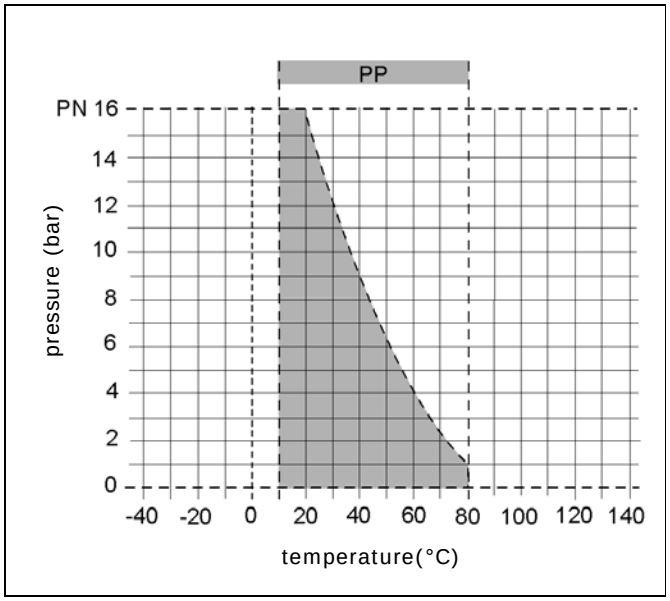
Mounting
- variable, hand lever preferably in upright position

Fastening
- body with integrated mounting plate

Colour

•	body	PP:	green
•	ball	PP:	grey, RAL 7032
•	hand lever:	PVC-U:	orange, RAL 2004

Pressure / temperature diagram

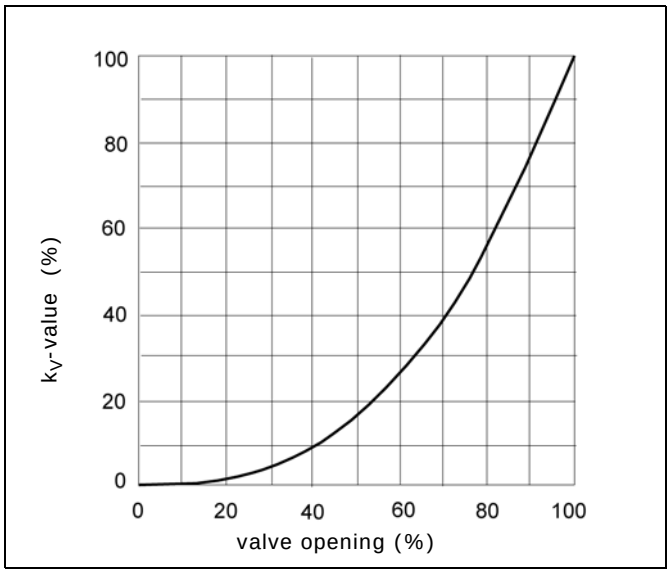


The values are a guide for harmless media (DIN 2403), to which the material of the valve is resistant.

The durability of wear and tear parts depends on the operating conditions of the application.

For temperatures < +10°C please specify the precise operating conditions of the application!

Flow characteristic



Torque (Nm) for valve opening

d (mm)	90	110	160
Md	40	60	140

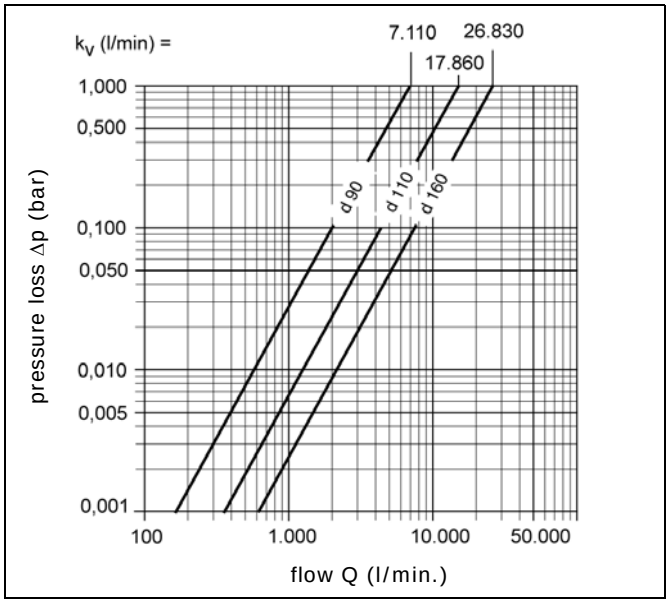
The stated torques are approximate values.

The values was determined immediately after the production with an operating pressure of 10 bar and H2O, 20°C.

Depending on the fluid the respective value can be higher or lower.

Pressure loss curve

(standard values for H_2O, 20°C)



Pressure loss and k_V-value

The diagram shows the pressure loss Δp over the flow Q.

For calculation:

c_V = kv × 0,07

f_V = kv × 0,0585

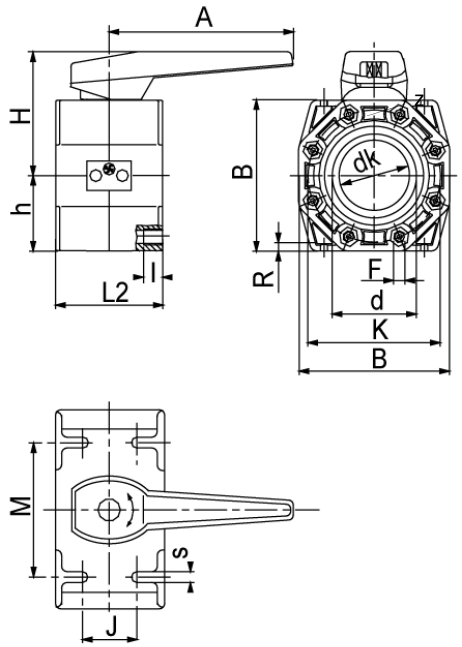
Units:

k_V [l/min]

c_V [gal/min]

f_V [gal/min]

Dimensions



dimensions	d (mm)	90	110	160
	DN (mm)	80	100	150
	DN (Zoll)	3	4	6
	PN (bar)	16	16	16
	dk	77,0	94,0	135,0
	A	210,0	260,0	310,0
	B	186,0	206,0	273,0
	F	M 16	M 16	M 20
	H	150,0	165,0	210,0
	h	93,0	103,0	136,5
	J	60,0	80,0	130,0
	K	160,0	180,0	240,0
	L2	124,0	145,0	205,0
	I	20,0	20,0	30,0
	M	124,0	137,0	179,0
	R	6,0	8,0	10,0
	S	8,5	8,5	8,5

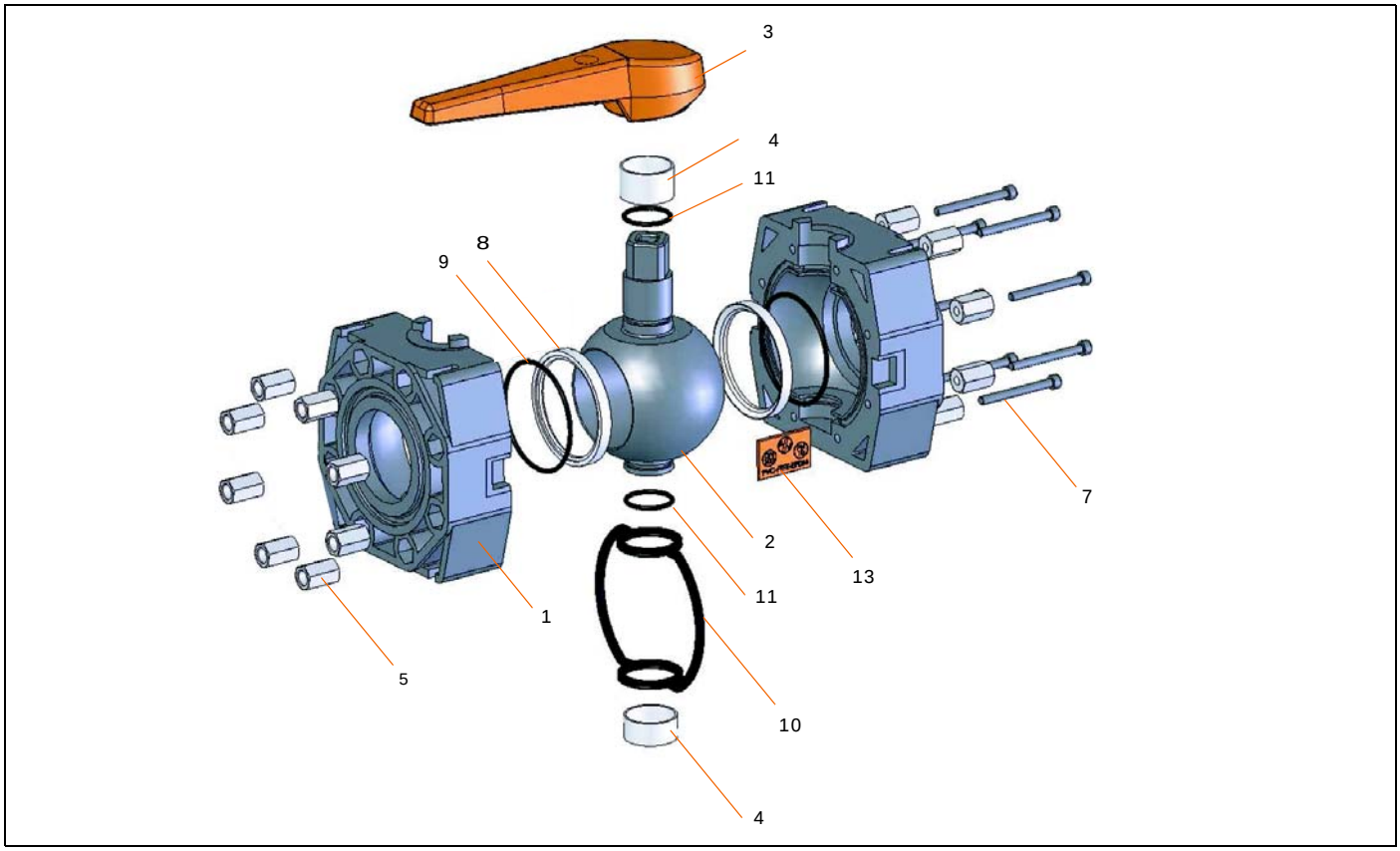
Weight

weight (kg)	d (mm)	90	110	160
PP				
wafer flange type		4,3	5,7	11,4

Ident-number

boddy PP	d (mm)	90	110	160
connection	**sealings**			
wafre flange type	PTFE-EPDM	141268	141263	141176

Parts lists and designation



item	qty.	designation
1	2	boddy (wafer flange type)
2	1	ball
3	1	hand lever
4	2	bearing bush
5	16	insert
7	8	hexagonal socket screw
8	2	ball seat
9	2	o-ring
10	1	sealing element
11	2	o-ring
13	1	indification plate

Subject to technical modifications