

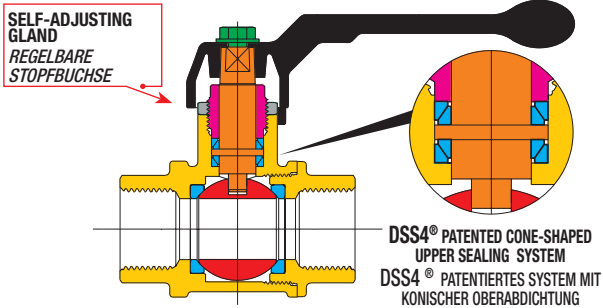
Full Bore, Ball Valves, Extended Handle



Type BV581, Female x Female, BSPP

Part Number	Thread
BV581-38	3/8"
BV581-12	1/2"
BV581-34	3/4"
BV581-1	1"

SECTION / QUERSCHNITT



LIST OF COMPONENTS: description/materials/treatments TEILELISTE: Beschreibung / Werkstoffe / Behandlungen

Body and threaded end Gehäuse und Gewindemuffe		CW617N (Pb ≤ 2,2% DIN 50930T6)
Gland Stopfbuchse		CW617N
Gland nut Gegenmutter		CW617N
Stem Betätigungsspindel		CW617N (Pb ≤ 2,2% DIN 50930T6)
Chromium pl. polished ball Blank verchromte Kugel		CW617N (Pb ≤ 2,2% DIN 50930T6)
Seats Dichtungen		PTFE
Operating device Betätigungselement		aluminium alloy / alu-Legierung
Fixing screw Befestigungsschraube		zinc plated steel / zinkstahl
Surface treatment Außenbehandlung	-	nickel plating outside, plain brass inside vernickelte Oberfläche, Rohe Messing innen

TECHNICAL FEATURES:

Temperature limits: for fluids from -20°C to + 130°C

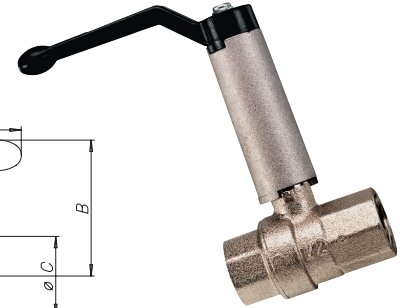
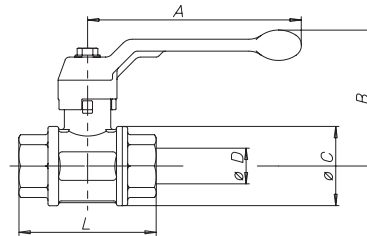
Pressure limits: for fluids from 100 bar to 40 bar

SPECIFIC FEATURES:

Bore: full.
Stem: security system with self-adjusting gland.
Seats: high resistance virgin PTFE.
Upper seal: DSS4® Dynamic Sealing System (international patent)
4 anti-friction self-adjusting cone-shaped seals, in PTFE and dynamic seals.
Ideal system to ensure long life cycles, high and low pressure, and vacuum (tested at 1•10⁻² mbar).

Working Temperature:
-20°C to +130°C

Maximum Working
Pressure: 100 bar

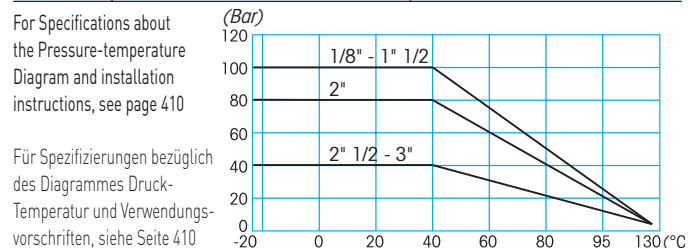


VALVE DIMENSIONS PER TYPE AND SIZE KUGELHAHNGRÖSSE NACH TYP UND MASS

nominal diameter mm Nenndurchmesser mm	6	8	10	15	20	25	32	40	50	65	80
size in inches Zoll Abmessung	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Ø D bore mm Ø D durchgang mm	8	8	10	15	20	25	32	40	50	65	80
A mm	75	75	100	100	120	120	150	150	175	280	280
B mm	52	52	61	64	76	80	98	104	119	155	167
Ø C mm	23	23	29	36	45	54	65	79	96	119	144
F/F - L mm	48	51	55	69	77	89	103	114	134	160	185
M/F - L mm	49	55	60	75	86	99	113	125	147	166	195
M/M - L mm	52	55	66	82	94	108	123	136	161	172	-
Kv	5	6	8	15	28	39	84	156	243	476	770

PRESSURE/TEMPERATURE DIAGRAM - DRUCK/TEMPERATURDIAGRAMM

For Specifications about
the Pressure-temperature
Diagram and installation
instructions, see page 410



Für Spezifizierungen bezüglich
des Diagrammes Druck-
Temperatur und Verwendungs-
vorschriften, siehe Seite 410

Application fields:

The TOTAL series is extremely tough and is used where special performance is required, for example in the installations of gas and water distribution, industrial and civil heating, water plants at medium and high pressure, hydraulics and pneumatics, oil and petrochemical fields, non aggressive fluids, and vacuum (tested at 1•10⁻² mbar).

- On request available in **without Grease** version.

Threaded end connections:

- Standard female and male according to UNI ISO 7/1 (UNI EN 10226).
- On request NPT and BSPT.

Operation devices:

Aluminium lever, aluminium T-handle, square cap, underground adaptor, lockable sealing cap from 3/4".
Available colours: black, red, yellow.

All the valves comply with the regulation **CE 97/23/CE** and are tested 100% on pneumatic seal with electronic control.