



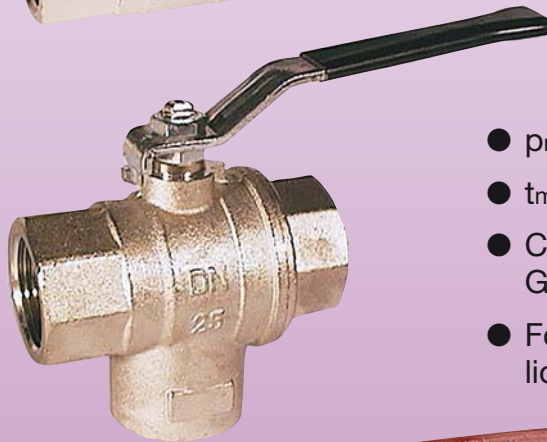
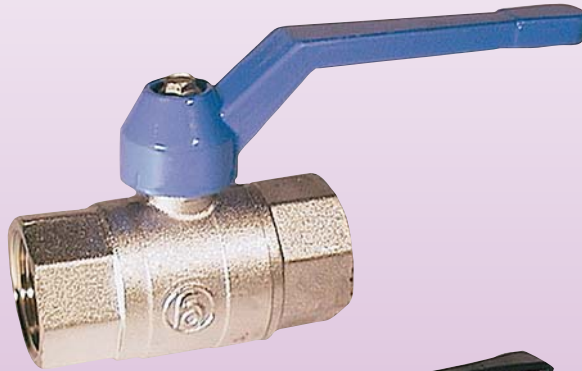
Zertifiziertes
QM-System
DIN EN ISO 9001
Zertifikat-Nr. 01017

Brass Ball Valves

2- and 3-Way Ball Valves with Screw Thread



measuring
•
monitoring
•
analysing



- p_{max.} PN 40
- t_{max.} +160 °C
- Connections:
G 1/4 to G 3 screw thread
- For steam, gaseous,
liquid and viscous media

- with handle
- Also with DIN-DVGW
approval
- T and L bore
(3-way version)
- Reasonably-priced



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Models:
KUG-
TB, AG, IK,
VN, VL



Design

Two-piece threaded joint body design with full cylindrical bore.

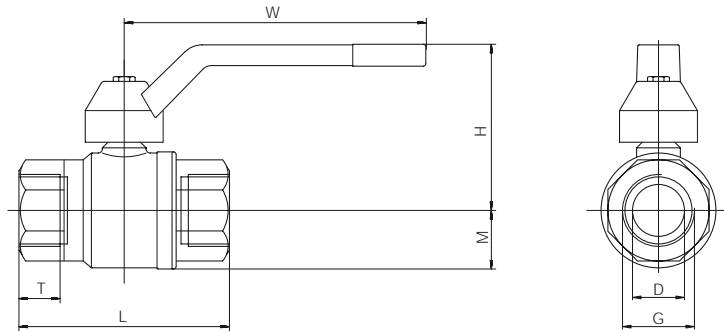
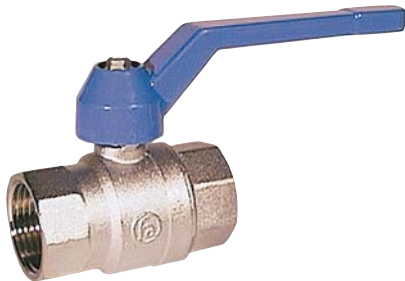
Materials

Body: brass, nickel-plated
 Ball: brass, hard-chrome plated
 Ball gasket: PTFE
 Spindle gasket: FKM
 Handle: aluminium alloy, epoxy resin coated blue or red

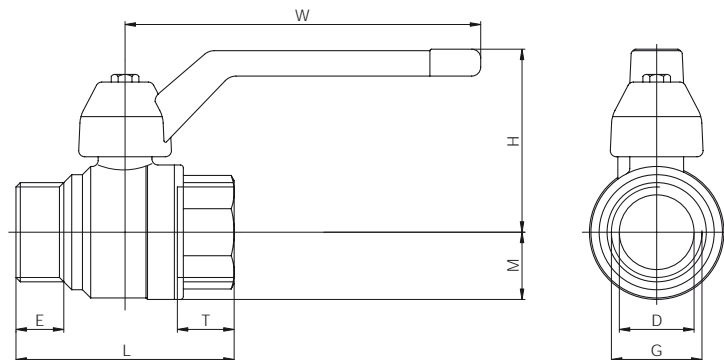
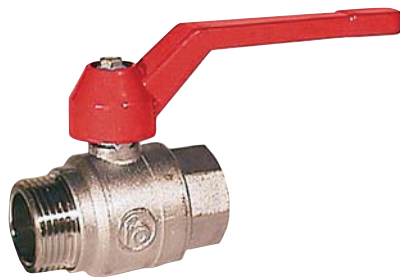
Technical Details

Connections: female/female thread G 1/4 to G 3
 female/male thread G 1/4 to G 2
 Temperature range: -20°C to +120°C
 Nominal pressure: PN 25 to 80°C
 Operation: Handle has rotating range of 90° (can be offset by 180° against the spindle)

KUG-TBR



KUG-TBB



Dimensions and Order Details (example: KUG-TBR 08)

Screw thread [G]	Order no. female thread	Order no. female/male thread	D [mm]	L [mm]	T [mm]	E [mm]	H [mm]	M [mm]	W [mm]	Weight [kg]
1/4	KUG-TBR 08	KUG-TBB 08	8	45	11	9	33	10.5	75	0.1
3/8	KUG-TBR 10	KUG-TBB 10	10	45	11	10	33	11.5	75	0.1
1/2	KUG-TBR 15	KUG-TBB 15	15	56	14	12	49	15.5	90	0.2
3/4	KUG-TBR 20	KUG-TBB 20	20	65	15	13	50	19.0	90	0.3
1	KUG-TBR 25	KUG-TBB 25	25	74	17	15	65	22.5	120	0.5
1 1/4	KUG-TBR 32	KUG-TBB 32	32	85	18	16	70	28.0	120	0.7
1 1/2	KUG-TBR 40	KUG-TBB 40	40	98	20	17	80	35.0	150	1.1
2	KUG-TBR 50	KUG-TBB 50	49	110	21	20	87	42.0	150	1.5
2 1/2	KUG-TBR 65	-	64	134	21	-	120	55.0	200	2.9
3	KUG-TBR 80	-	78	160	25	-	135	65.0	240	4.8



Design

Two-piece threaded joint body design with full cylindrical bore. Stamped from Rp 1/2 acc. AD-approval A 4.

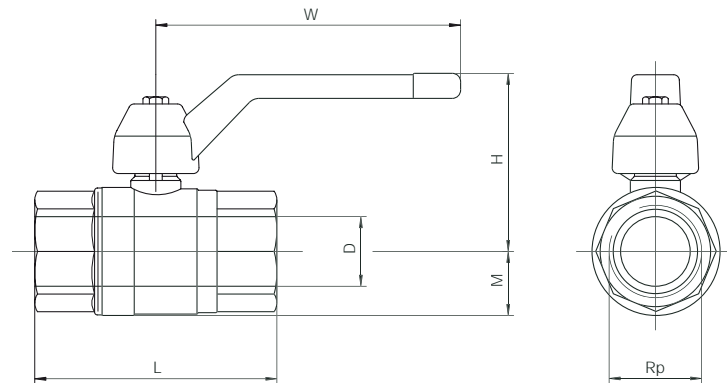
Materials

Body: brass, nickel-plated
 Ball: brass, hard-chrome plated
 Ball gasket: PTFE
 Spindle gasket: FKM
 Handle: aluminium alloy, epoxy resin coated blue

Technical Details

Connections: female thread Rp 1/4 to Rp 2 (as per DIN 2999)
 Temperature range: -20°C to +120°C
 Nominal pressure: see tabelle to 80°C
 Operation: Handle has rotating range of 90° (can be offset by 180° against the spindle)

KUG-AG



Dimensions and Order Details (example: KUG-AGR 08)

Screw thread [Rp]	Order no. female thread	D [mm]	L [mm]	H [mm]	M [mm]	W [mm]	Weight [kg]	Pmax [bar]
1/4	KUG-AGR 08	6	50	32	10.0	75	0.11	40
3/8	KUG-AGR 10	10	55	42	12.5	75	0.12	40
1/2	KUG-AGR 15	15	65	50	16.0	90	0.24	40
3/4	KUG-AGR 20	20	75	53	19.0	90	0.35	40
1	KUG-AGR 25	24	86	62	23.0	120	0.64	40
1 1/4	KUG-AGR 32	30	95	70	28.0	120	1.00	32
1 1/2	KUG-AGR 40	38	101	78	35.0	150	1.11	30
2	KUG-AGR 50	47	120	85	42.0	150	1.97	30



DIN DVGW registration number 94.01e968

Design

Two-piece threaded joint body design with full cylindrical bore. For all gases as per DVGW worksheet G 260/I for gas stop valves.

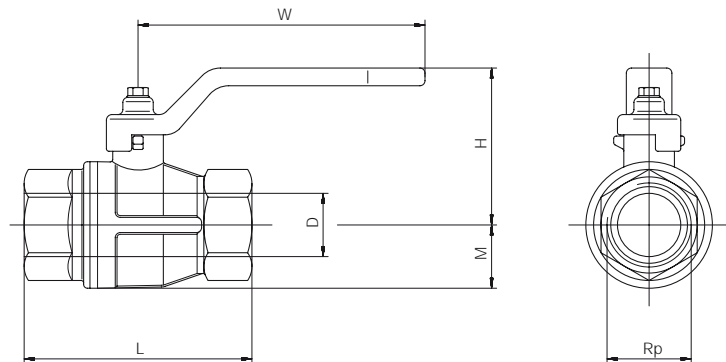
Materials

Body: brass, nickel-plated
 Ball: brass, hard-chrome plated
 Ball gasket: PTFE
 Spindle gasket: NBR/FPM
 Handle: galvanized steel, epoxy resin coated yellow

Technical Details

Connections: female thread Rp 1/4 to Rp 2 (as per ISO 7/1)
 Temperature range
 Gas: -15 °C to +60 °C
 Air: -20 °C to +220 °C
 Water: 0 °C to +150 °C
 Nominal pressure: PN 1 to 4 for gas
 PN 25 to PN 50 (for other media without DVGW approval)
 Operation: Handle has rotating range of 90°

KUG-IK



Dimensions and Order Details (example: KUG-IKR 08)

Screw thread [Rp]	Order no. female thread	D [mm]	L [mm]	H [mm]	M [mm]	W [mm]	Nominal pressure Water [PN]	Weight [kg]
1/4	KUG-IKR 08	10	50	37	12	80	50	0.15
3/8	KUG-IKR 10	10	53	37	12	80	50	0.27
1/2	KUG-IKR 15	15	61	49	16	89	50	0.27
3/4	KUG-IKR 20	20	68	55	19	113	40	0.41
1	KUG-IKR 25	25	85	59	23	113	40	0.57
1 1/4	KUG-IKR 32	32	100	75	29	138	30	0.90
1 1/2	KUG-IKR 40	40	109	90	36	158	30	1.28
2	KUG-IKR 50	50	130	97	43	158	25	1.92

Design

Four-piece threaded joint body design with mounting pad for actuator mounting, full cylindrical bore, T or L bore, sealing on all ports. Does not prevent crossover flow.

Materials

Body: brass, nickel-plated
 Ball: brass, hard-chrome plated
 Ball gasket: PTFE
 Spindle gasket: PTFE and FKM
 Handle: zinc-coated steel, plastic sheathed, red

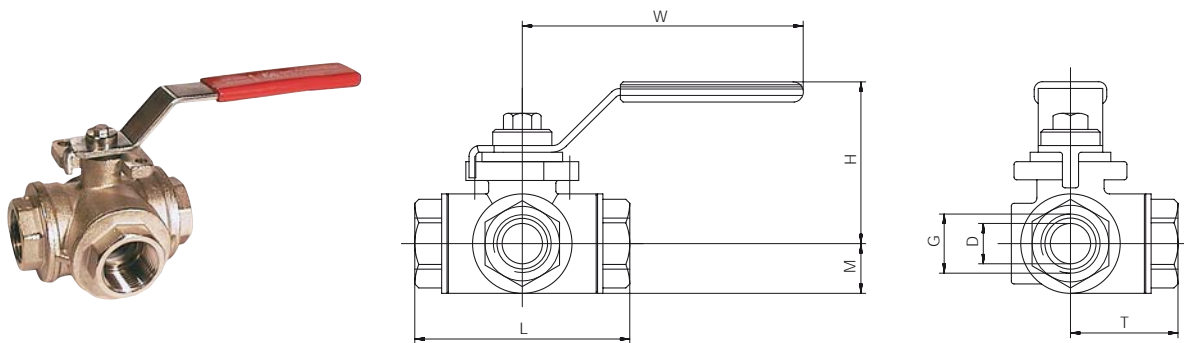
Technical Details

Connections: G 1/4 to G 2
 Temperature range: -20 °C to +150 °C
 Nominal pressure: PN 10 to PN 30 to 80 °C (see table)
 Operation: Handle has rotating range of 90° (can be offset by 90° against the spindle)

Positions

	T-bore				L-bore		
Handle or actuator mounting	1	2	3	4	5	6	7
0° position							
90° position							

KUG-VN



Dimensions and Order Details (example: KUG-VNTR 08)

Screw thread [G]	Order no. T-bore	Order no. L-bore	Nom. size D [mm]	L [mm]	H [mm]	M [mm]	W [mm]	T [mm]	Nom. pressure [PN]	Value k_v [m³/h]	Weight [kg]
1/4	KUG-VNTR 08	KUG-VNLR 08	8	67.0	62.5	17.0	120	33.5	30	2.8	0.55
3/8	KUG-VNTR 10	KUG-VNLR 10	10	67.0	62.5	17.0	120	33.5	30	3.0	0.52
1/2	KUG-VNTR 15	KUG-VNLR 15	15	77.0	63.5	20.0	120	38.5	30	3.9	0.65
3/4	KUG-VNTR 20	KUG-VNLR 20	20	87.0	75.0	24.0	170	43.5	30	7.9	1.10
1	KUG-VNTR 25	KUG-VNLR 25	25	105.0	79.5	30.0	170	52.5	16	13.0	1.83
1 1/4	KUG-VNTR 32	KUG-VNLR 32	32	122.5	93.0	36.0	170	61.5	10	20.7	2.75
1 1/2	KUG-VNTR 40	KUG-VNLR 40	40	138.5	113.5	43.0	230	69.5	10	38.7	4.57
2	KUG-VNTR 50	KUG-VNLR 50	50	166.0	123.5	55.5	230	83.0	10	54.0	8.37



Design

Design: two-piece threaded joint body design with full bore, T or L bore, sealed on two ports.

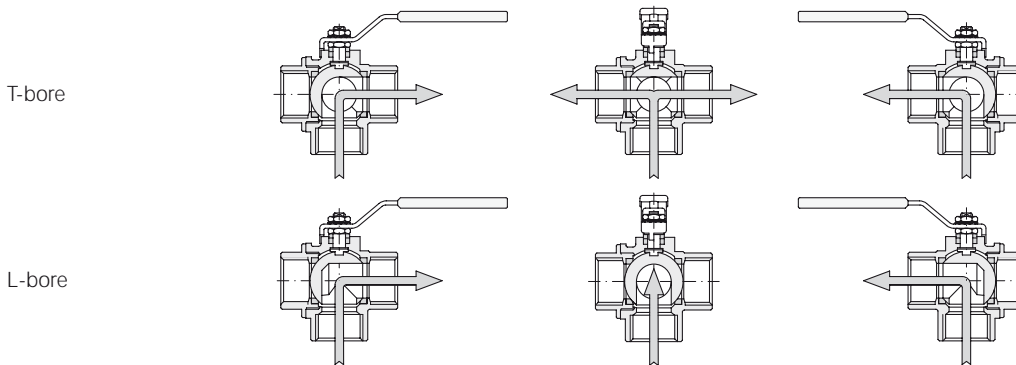
Materials

Body: brass, nickel-plated
 Ball: brass, hard-chrome plated
 Ball gasket: PTFE
 Spindle gasket: PTFE/NBR
 Handle: zinc-coated steel, plastic sheathed, black (G 2 and G 3 aluminium alloy)

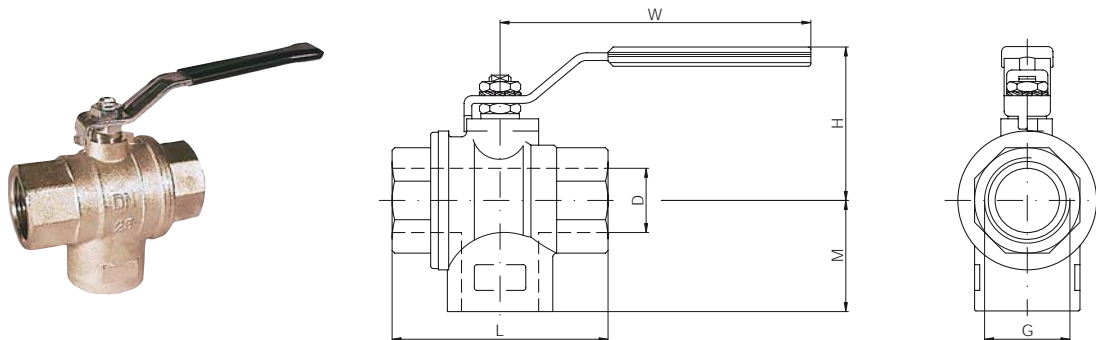
Technical Details

Connections: G 1/4 to G 3
 Temperature range: -15 °C to +120 °C
 Nominal pressure: PN 6 to PN 25 (see table)
 Operation: Handle has rotating range of 180° (can be offset by 180° against the spindle)

Positions



KUG-VL



Dimensions and Order Details (example: KUG-VLTR 08)

Screw thread [G]	Order no. T-bore	Order no. L-bore	Nom. size D [mm]	M [mm]	L [mm]	H [mm]	W [mm]	AF [mm]	Nom. pressure [PN]	Value k_v [m ³ /h]	Weight "L" [kg]	Weight "T" [kg]
1/4	KUG-VLTR 08	KUG-VLLR 08	8	28.5	52	60	115	22	25	1.5	0.22	0.22
3/8	KUG-VLTR 10	KUG-VLLR 10	10	28.5	52	60	115	22	25	1.8	0.19	0.19
1/2	KUG-VLTR 15	KUG-VLLR 15	15	31.0	64	62	115	27	25	3.9	0.30	0.30
3/4	KUG-VLTR 20	KUG-VLLR 20	20	42.0	74	43	115	32	16	7.9	0.49	0.47
1	KUG-VLTR 25	KUG-VLLR 25	25	45.0	89	76	115	41	16	13.0	0.78	0.76
1 1/4	KUG-VLTR 32	KUG-VLLR 32	32	49.0	100	79.5	115	50	10	20.7	1.16	1.18
1 1/2	KUG-VLTR 40	KUG-VLLR 40	40	61.5	110	95	170	55	10	38.7	1.71	1.53
2	KUG-VLTR 50	KUG-VLLR 50	50	73.0	130	101	170	70	10	54.0	2.85	2.60
3	KUG-VLTR 80	KUG-VLLR 80	80	106.0	197	152	260	105	6	145	9.50	9.20