

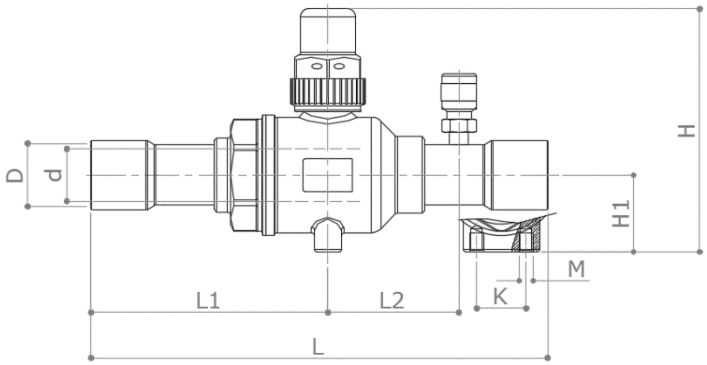
DESCRIPTION

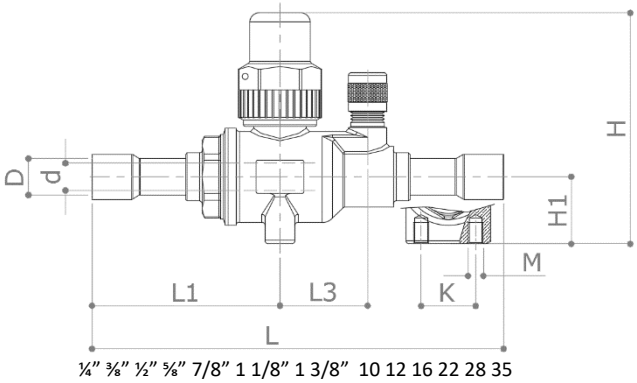
S70S

Ball valve for refrigerants type HFC/HFO, P_{max} 45 bar, with access fitting.
Copper ODS solder connections.
Body and tail welded through a TIG weld. Copper connections are welded with silver alloy.
Blow-out proof stem, internally fitted.
Bi-directional valve with internal balancing system of the pressure.
Cap for lead sealing.

Conform for use of fluids categorized by Art. 13, point 1, letter *b* of European Directive PED 2014/68/EU as Group 2 fluids, not toxic, not flammable and not explosive.
Conform to Art. 4 point 1, letter *c* of European Directive PED 2014/68/EU

DIMENSIONS





¼" ⅜" ½" ⅝" 7/8" 1 1/8" 1 3/8" 10 12 16 22 28 35

Connection standard: imperial

D	¼"	3/8"	½"	5/8"	¾"	7/8"	1 1/8"	1 3/8"	1 5/8"	2 1/8"	2 5/8"	3 1/8"
d	12	12	12	12	20	20	25	32	40	50	50	65
H	76	76	76	76	89	89	94	119	131	150	150	169
H1	22	22	22	22	28	28	30	38	45	55	55	62
L	136	136	136	152	153	177	214	252	260	294	294	350
L1	62	62	62	69	80	86	109	130	137	160	160	187
L2	-	-	-	-	45	-	-	-	75	86	77	95
L3	29	29	29	29	-	29	29	38	-	-	-	-
K	18	18	18	18	18	18	30	30	30	30	30	75
M	M5	M5	M5	M5	M5	M5	M6	M6	M6	M6	M6	M10
Weight [g]	348	346	344	336	595	640	935	1835	2680	4560	4635	8550

Connection standard: metric

D	10	12	16	18	22	28	35	42	54	64	80
d	12	12	12	20	20	25	32	40	50	50	65
H	76	76	76	89	89	94	119	131	150	150	169
H1	22	22	22	28	28	30	38	45	55	55	62
L	120	136	152	153	177	214	252	260	294	294	350
L1	62	62	69	80	86	109	130	137	160	160	187
L2	-	-	-	46	-	-	-	75	86	93	95
L3	29	29	29	-	29	29	38	-	-	-	-
K	18	18	18	18	18	30	30	30	30	30	75
M	M5	M5	M5	M5	M5	M6	M6	M6	M6	M6	M10
Weight [g]	346	344	336	590	640	870	1835	2680	4560	4600	8550

Dimensions in **mm**

STE0347 rev.04 19/06/2024

MATERIALS

Body	CW617N (EN 12165) CuZn40Pb2
Ball	CW617N (EN 12165) CuZn40Pb2 Chrome plated
Connection	Copper EN12735-1 – Cu-DHP – R290
Stem	Galvanized steel
Seat	2 x modified PTFE
O-Rings	2 x chloroprene
Cap	PBT GF30
Access fitting	Valve Schrader type

PRESSURE DROP DIAGRAM

Dim.	¼"	3/8"	½"	5/8"	¾"	7/8"	1 1/8"	1 3/8"	1 5/8"	2 1/8"	2 5/8"	3 1/8"
Kv	1.1	3.2	6	14.2	18	27.5	40.5	67.5	115	185	185	295
PN	45	45	45	45	45	45	45	45	45	45	45	45

Dim.	10	12	16	18	22	28	35	42	54	64	80
Kv	3.2	6	14.2	18	27.5	40.5	67.5	115	185	190	295
PN	45	45	45	45	45	45	45	45	45	45	45

Pressure drop values are got through calculation

RECOMMENDED WORKING TEMPERATURE/PRESSURE LIMITS

T_{min}	T_{max}	P_{max}
-40°C	**+150°C**	**45 bar**

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