

Features

- 3-way L-port design for fluid diversion. It is designed with robust maintenance-free components ensuring ease of operation and safety
- Integrated ISO 5211 /DIN 3337 mounting flange for universal connection to actuator
- EN 10226-1, ISO 228 parallel female threads
- Geomet® carbon steel handle with thick PVC dip coating for both thermal and electrical protection
- 100% full port for maximum flow
- 20 bar (300 PSI) non-shock cold working pressure
- Temperature: -20°C to +150°C
- Electronic 100% seal test guaranteed.

RS PRO Brass Full port 3-way ball valve with black lever, L-port, threaded EN 10226-1, female by female threads, 20 bar

RS Stock No.: **0854414**



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO range of 3-WAY brass manual ball valves, 4 SEATS – L-PORT.

The s.7600L is the right choice for fluid diversion and is designed with robust maintenance-free components ensuring ease of operation and safety. With a simple 90° turn, you can divert flow from one downstream outlet to the other. It combines traditional manual operation with modern automation. It is also very easy to convert from its sturdy lever handle to ISO 5211 actuator flange assembly.

It features low operating torque and a special wear reducing self-compensating valve seat design that meets our 100.000 cycle life test requirement.

Thanks to Silicone-free lubricant on all seals, s76L may be used in automotive plants and installations.

Available configurations:

0854407	3-WAY VALVE S.76 1/4" BSPP L-PORT LEVER
0854408	3-WAY VALVE S.76 3/8" BSPP L-PORT LEVER
0854409	3-WAY VALVE S.76 1/2" BSPP L-PORT LEVER
0854410	3-WAY VALVE S.76 3/4" BSPP L-PORT LEVER
0854411	3-WAY VALVE S.76 1" BSPP L-PORT LEVER
0854412	3-WAY VALVE S.76 1 1/4" BSPP L-PORT LEVER
0854413	3-WAY VALVE S.76 1 1/2" BSPP L-PORT LEVER
0854414	3-WAY VALVE S.76 2" BSPP L-PORT LEVER

General Specifications

Threaded Connection	EN 10226-1, ISO 228 parallel female threads
Attachment Type	Threaded
Body Material	Nickel plated brass body Chrome plated brass ball for longer life
Thread Size	2" – DN 48
Flow	100% full port for maximum flow
Stem	Blowout-proof nickel-plated brass stem Maintenance-free, double FPM O-rings at the stem for maximum safety
Application	L-port design for fluid diversion

Operation Specifications

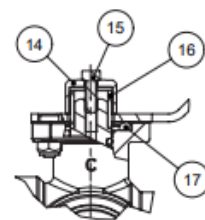
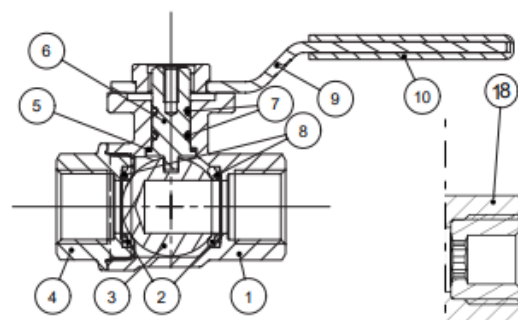
Maximum working pressure	20 bar (300 PSI) non-shock cold working pressure
Working temperature	- 20°C to +150°C (-4°F to +302°F) WARNING: freezing of the fluid in the installation may severely damage the valve

Approvals

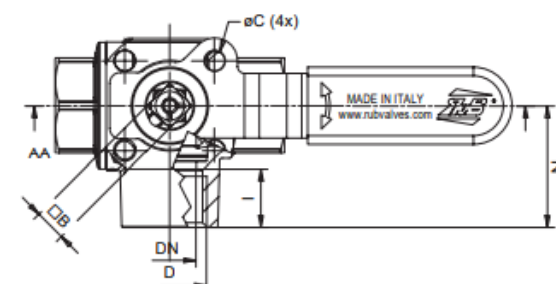
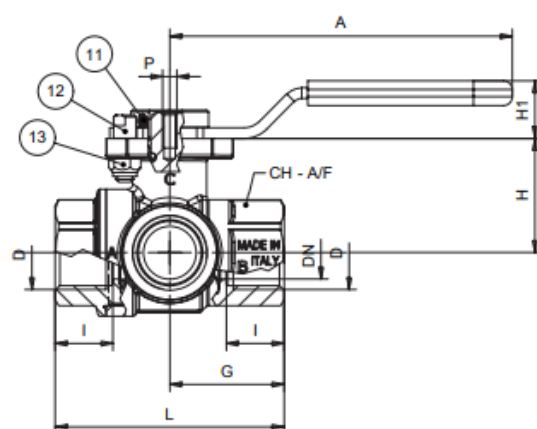
Compliance/Certifications	RoHS Compliant (EU) EAC – Declaration of conformity (Russia, Kazakhstan, Belarus)
PED directive	The product meets the requirements of PED Directive 2014/68/UE and according to art.4 par.3, it does not require CE marking

Mechanical Specifications

	Part description	Q.ty	Material
1	Nickel plated body (External nickel plated, unplated inside)	1	CW617N
2	Seat	2	PTFE graphite filled 15%
3	Chrome plated ball	1	CW617N
4	Sand blasted nickel plated end cap (External nickel plated, unplated inside)	1	CW617N
5	Washer	1	PTFE carbon filled 25%
6	Nickel plated stem O-ring design	1	CW617N
7	O-Ring	2	FPM
8	O-Ring	2	FPM
9	Geomet® plated steel handle	1	DD11 (EN10111)
10	Black dipped coating	1	PVC
11	Stainless steel screw	1	1.4301 / AISI304
12	Unplated stop	1	CW617N
13	Zinc plated steel nut	1	Class 8 (UNI7474)
14	Unplated cap	1	CW614N
15	Stainless steel Exagonal screw	1	1.4301 / AISI304
16	Square adaptor 11-14 (only for 1 1/4 size)	1	Steel
17	Washer	1	PTFE
18	Unplated reduction (only 1/4" and 3/8" sizes)	3	CW617N



1.1/4"-1.1/2"-2" handle configuration



Code	S76B00L	S76C00L	S76D00L	S76E00L	S76F00L	S76G00L	S76H00L	S76I00L
Size (inch)	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
DN (mm)	8	10	15	20	25	30.4	38	48
I (mm)	12	12	16.5	19	22.5	25	26	29
L (mm)	65	65	65	79	92.5	109.5	126	150
G (mm)	32.5	32.5	32.5	39.5	46.5	55	63	75
H (mm)	32.5	32.5	32.5	39.5	42.5	56	63.2	72
N (mm)	34.5	34.5	34.5	42	49.5	60	69	82
A (mm)	97	97	97	97	97	145	145	145
ØC (mm)	Ø5.6	Ø5.6	Ø5.6	Ø5.6	Ø5.6	Ø6.6	Ø6.6	Ø6.6
H1 (mm)	16.5	16.5	16.5	16.5	16.5	23	23	23
Square B (mm)	9	9	9	9	9	11	11	14
CH A/F (mm)	27	27	27	32	41	50	55	70
Flange connection DIN ISO 522 DIN 3337	F03	F03	F03	F03	F03	F05	F05	F05
P (ISO 262 Thread)	M4	M4	M4	M4	M4	M5	M5	M5
Kv (m³/h)	TBD	TBD	5.7	11.1	16.7	28.1	44.5	71.1

TORQUE FOR ACTUATOR SIZING N.M

Delta P -->	0÷16 bar	
Valve size	to open	to close
14" - 3/8" - 1/2"	3,5	3,5
3/4"	4,0	4,0
1"	4,5	4,5
1 1/4"	11,7	11,7
1 1/2"	21,5	21,5
2"	28,0	28,0

TORQUE CORRECTION FACTORS

Valve torque can vary according to operating frequency, temperature and friction characteristics of the media.

If media has more or less friction than water, multiply torque by the following factors:

Lubricating oils or liquids	0.8
Dry gases, natural gas	1.5
Slurries or liquids bearing abrasive particles	1.5÷2.5

PRESSURE DROP CHART

