

RECOMMENDED FOR:

RYCO RL20 and **RL20SH** Ball Valves are used to open or close flow. The Valve is delivered in the open position, with the handle aligned with the longitudinal axis of the body, permitting flow through the valve body. The Valve is closed, and flow is stopped when the handle is turned 90° clockwise from the open position (when viewed from above).

*Note: Alloy handle of **RL20** has potential to spark if struck by steel and **RL20** are not suitable for use in underground coal mines. Use **RL20SH**.

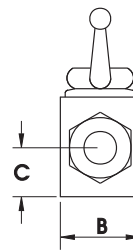
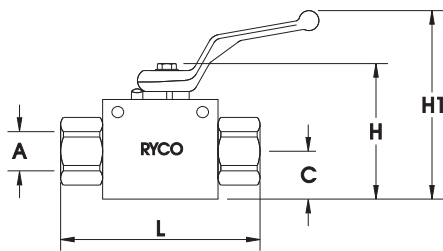
FEATURES:

- Flow can be in either direction (two way).
- Eight sizes; from -0404 (1/4 inch) to -3232 (2 inch).
- Working pressures from 350 to 500 bar (5100 to 7250 psi), depending on size.
- Also suitable for suction and vacuum service.
- Special ball seal design ensures seal at both low and high pressure.
- Handle can be reoriented if required.
- **RL20**, and **RL20SH-0404** to **-0808** have two mounting holes in body, to allow Ball Valve to be bolted in place.

TECHNICAL DATA

- **Ports:** BSPP Female.
- **Body:** **RL20** from -0404 to -1616 sizes: Carbon Steel, zinc plated and passivated (CrVI free).
RL20SH from -0404 to -0808 sizes: Carbon Steel, zinc plated and passivated (CrVI free).
RL20SH -1212 and -1616 sizes: Carbon Steel, black finish.
RL20SH from -2020 to -3232 sizes: Forged Steel, black finish.
- **Ball:** Nickel plated steel.
- **Stem:** Zinc plated steel.
- **Handle:** **RL20** have alloy handle. **RL20SH** have steel handle, or alloy complying with underground coal mining specifications. Contact RYCO Hydraulics Technical Department for more information.
- **Ball Sealing:** Polyamide.
- **Stem Sealing:** Nitrile (Buna N).
- **Maximum Working Pressure:** See table below.
- **Operating Temperature:** From -10°C to +100°C (-14°C to +212°F).
- **Fluid Compatibility:** Mineral/petroleum based hydraulic oils.

PART NUMBERS, SPECIFICATIONS AND DIMENSIONS



PART NUMBER	PORT BSPP	MIN. BORE	MAXIMUM WORKING PRESSURE	LENGTH OVERALL	WIDTH	HEIGHT TO LEVER	HEIGHT TO STEM	HEIGHT PORT	WEIGHT	
PART NO	A inch	mm	bar	psi	L mm	B mm	H1 mm	H mm	C mm	kg
RL20-0404	1/4	6	500	7250	72	26	64	47	13	0,40
RL20-0606	3/8	10	500	7250	75	32	69	52	16	0,55
RL20-0808	1/2	13	500	7250	85	35	76	56	18	0,65
RL20-1212	3/4	20	400	5800	93	50	96	75	23	1,45
RL20-1616	1	24	350	5100	114	57	104	85	28	2,05
RL20SH-0404	1/4	6	500	7250	72	26	64	47	13	0,45
RL20SH-0606	3/8	10	500	7250	75	32	69	52	16	0,60
RL20SH-0808	1/2	13	500	7250	85	35	76	56	18	0,70
RL20SH-1212	3/4	20	400	5800	96	49	125	79	24,5	1,60
RL20SH-1616	1	24	350	5100	113	60	130	83	26,5	2,20
RL20SH-2020	1.1/4	32	350	5100	110	80	160	104	38	3,55
RL20SH-2424	1.1/2	38	350	5100	120	84	185	120	42	4,10
RL20SH-3232	2	48	350	5100	140	105	200	143	50	5,60