

Ball Valves, Universal Light Series

Using the Universal Series technology, the Parker Legris light series valves offer the advantages of **compactness**, **ease of operation** and **long-term reliability**.

Product Advantages

Easy-to-Use	Ease of operation due to the low friction design The short levers may be repositioned and exchanged Extremely compact Wide range of configurations
Maximum Efficiency	Excellent performance under vacuum Full flow Chemical nickel-plated brass with high phosphorous content for outstanding corrosion resistance Automatic seal wear compensation system
Reliability	Tried-and-tested technology Forged brass provides mechanical strength and long service life 100% leak-tested in production Date coding to guarantee quality and traceability



Applications

- Vacuum
- Transportation
- Packaging
- Textile
- Pneumatics
- Sawmills
- Rubber & Plastics

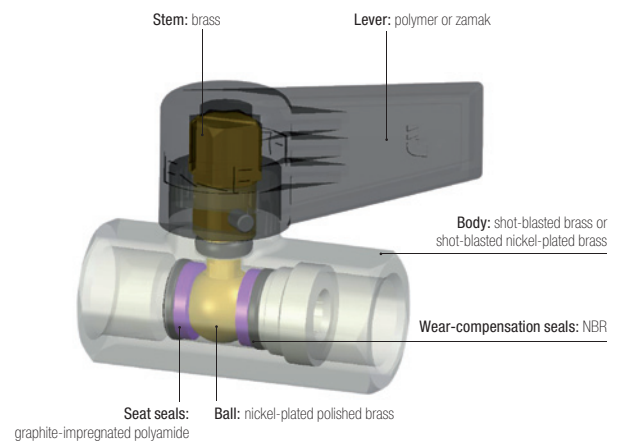
Technical Characteristics

Compatible Fluids	Compressed air Other fluids: see compatibility chart at the end of this chapter
Working Pressure	Vacuum to 12 bar
Working Temperature	-20°C to +80°C

Tightening Torques	Threads	G1/8	G1/4	G3/8	G1/2	G3/4
	daN.m	0.10 to 0.20	0.10 to 0.20	0.15 to 0.25	0.20 to 0.35	0.50 to 0.70

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Component Materials



Silicone-free

Regulations

- DI: 97/23/EC (module PED A - diameters greater than 25 mm)
- DI: 2006/42/EC (Machinery Directive)
- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)

Universal Light Series

0492 2/2 In-Line Ball Valve, Female BSPP Thread



	Nickel-plated brass, NBR 	C	E	F	H	L	L1	M	kg
		G1/4 4 0492 04 13	9	17	34	39.5	17	35	0.073
		G3/8 7 0492 07 17	11	22	38	45	20	43	0.128
		G1/2 10 0492 10 21	12	24	44	54	25	50	0.162
		G3/4 13 0492 13 27	14	30	46	62	28	50	0.240
Technical polymer handle									

0492..64 2/2 In-Line Ball Valve, Short Handle, Female BSPP Thread



	Nickel-plated brass, NBR 	C	E	F	H	L	L1	M	kg		
		G1/4 4 0492 04 13 64	9	17	36	39.5	17	25	0.090		
		Short handle in zamak									

0491 2/2 In-Line Ball Valve, Male/Female BSPP Thread



	Nickel-plated brass, NBR 	C	E	E1	F	H	L	L1	M	kg
		G1/4 4 0491 04 13	9	7	17	34	39.5	17	35	0.070
		G3/8 7 0491 07 17	11	8	22	38	45	20	43	0.124
		G1/2 10 0491 10 21	12	10	24	44	53	24	50	0.160
		G3/4 13 0491 13 27	14	12	30	46	59	25	50	0.238
Technical polymer handle										

0491..64 2/2 In-Line Ball Valve, Short Handle, Male/Female BSPP Thread



	Nickel-plated brass, NBR 	C	E	E1	F	H	L	L1	M	kg		
		G1/4 4 0491 04 13 64	9	7	17	36	39.5	17	25	0.092		
		Short handle in zamak										

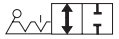
0490 2/2 In-Line Ball Valve, Male BSPP Thread


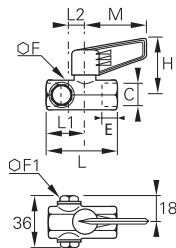




	Nickel-plated brass, NBR 	C	E	F	H	L	L1	M	kg
		G1/4 4 0490 04 13	7	17	34	39	17	35	0.070
		G3/8 7 0490 07 17	8	22	38	44	20	43	0.109
		G1/2 10 0490 10 21	10	24	44	53	24	50	0.160
		G3/4 13 0490 13 27	12	30	46	59	25	50	0.233
Technical polymer handle									

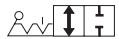
Universal Light Series


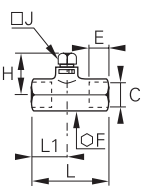


0494 2/2 In-Line Ball Valve, 2 Vent Plugs, Female BSPP Thread



	<p>Nickel-plated brass, NBR</p> 	<p>C  </p>	E	F	F1	H	L	L1	L2	M	kg
		<p>G3/8 7 0494 07 17</p> <p>Technical polymer handle</p>	11	22	16	38	60	20	15	43	0.178


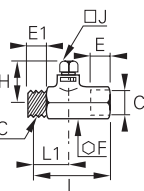


0497 2/2 Ball Valve, Square Stem, Female BSPP Thread



	<p>Brass, NBR</p> 	<p>C  </p>	E	F	H	J	L	L1	kg
		<p>G1/4 4 0497 04 13</p> <p>G3/8 7 0497 07 17</p> <p>G1/2 10 0497 10 21</p> <p>G3/4 13 0497 13 27</p>	9	17	25	7	39	17	0.066
			11	22	26	7	45	20	0.122
			12	24	29	10	54	25	0.148
			14	30	30	10	62	28	0.230

0496 2/2 Ball Valve, Square Stem, Male/Female BSPP Thread



	<p>Brass, NBR</p> 	<p>C  </p>	E	E1	F	H	J	L	L1	kg
		<p>G1/4 4 0496 04 13</p> <p>G3/8 7 0496 07 17</p> <p>G1/2 10 0496 10 21</p> <p>G3/4 13 0496 13 27</p>	7	9	17	25	7	39	17	0.065
			8	11	22	26	7	45	20	0.118
			10	12	24	29	10	53	24	0.150
			12	14	30	30	10	59	28	0.222