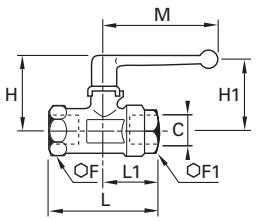
0402 double female

2/2

sand blasted nickel-plated brass body



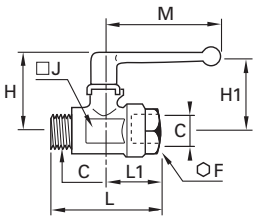
C	DN		F	F1	H	H1	L	L1	M	kg
G1/8	4	0402 04 10	-	14	35	29	44	25	48	0,091
G1/8	7	0402 07 10	19	19	38	31	51	27	48	0,167
G1/4	7	0402 07 13	19	19	38	31	53	28	48	0,157
G3/8	10	0402 10 17	24	24	45	43	59	31	69	0,230
G1/2	13	0402 13 21	27	27	47	44	67	34	69	0,291
G3/4	20	0402 20 27	32	38	63	54	80	39	108	0,690
G1"	23	0402 23 34	41	46	67	57	94	47	108	1,030
G1"1/4	32	0402 32 42*	55	60	97	105	112	59	180	2,433
G1"1/2	32	0402 32 49*	55	60	97	105	120	62	180	2,278
G1"1/2	40	0402 40 49*	55	55	104	105	111	55	190	2,558
G2"	40	0402 40 48*	70	70	104	105	122	61	190	2,754

*models with CE marking CE
maximum working pressure : 40 bar

0401 male female

2/2

sand blasted nickel-plated brass body



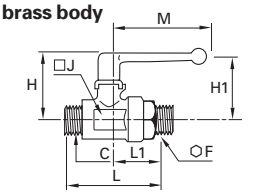
C	DN		F	H	H1	J	L	L1	M	kg
G1/8	4	0401 04 10	14	35	29	14	45	25	48	0,091
G1/8	5	0401 05 10	19	38	31	19	51	27	48	0,158
G1/4	7	0401 07 13	19	38	31	19	52	28	48	0,151
G3/8	10	0401 10 17	24	45	43	24	58	31	69	0,227
G1/2	13	0401 13 21	27	47	44	27	66	34	69	0,290
G3/4	18	0401 18 27	38	63	54	39	79	39	108	0,714
G1"	23	0401 23 34	46	67	57	48	91	47	108	1,028
G1"1/4	32	0401 32 42*	60	97	115	55	113	59	180	2,374

*models with CE marking CE
maximum working pressure : 40 bar

0400 double male

2/2

sand blasted nickel-plated brass body



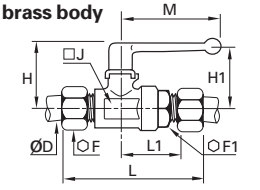
C	DN		F	H	H1	J	L	L1	M	kg
G1/8	4	0400 04 10	14	35	29	14	45	25	48	0,091
G1/4	7	0400 07 13	19	38	31	19	60	36	48	0,163
G3/8	10	0400 10 17	24	45	43	24	70	43	69	0,251
G1/2	13	0400 13 21	27	47	44	27	78	45	69	0,327
G3/4	18	0400 18 27	38	63	54	39	90	50	108	0,770

maximum working pressure : 40 bar

0411 with two couplings fitted for use with steel tube

2/2

sand blasted nickel-plated brass body



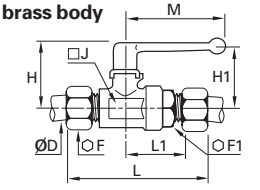
ØD	DN		F	F1	H	H1	J	L	L1	M	kg
6	4	0411 04 06	14	19	38	31	19	76	30	48	0,183
8	6	0411 06 08	17	19	38	31	19	77	30	48	0,182
10	7	0411 07 10	19	19	38	31	19	78	31	48	0,207
12	10	0411 10 12	22	24	45	43	24	85	36	69	0,312

maximum working pressure : 40 bar

0414 with two couplings fitted with double taper rings

2/2

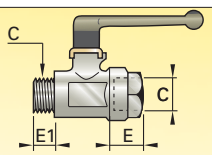
sand blasted nickel-plated brass body



ØD	DN		F	F1	H	H1	J	L	L1	M	kg
6	4	0414 04 06	13	19	38	31	19	72	31	48	0,179
8	6	0414 06 08	14	19	38	31	19	74	30	48	0,181
10	7	0414 07 10	19	19	38	31	19	78	31	48	0,210
12	10	0414 10 12	22	24	45	43	24	86	36	69	0,305

maximum working pressure : 40 bar

length of female threads (E) and male BSPP threads (E1) 0402 – 0401 and 0400



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"	G1"1/4	G1"1/2	G2"
E	8	12	12	15	16,5	19	21,5	22	26
E1	7	9	11	12	12	15	18		

principle of ball valves

Standard range

The standard **Legris ball valve** provides a reliable means of opening and closing fluid systems. It requires a simple quarter turn of the handle to operate the two-way version, or a 180° turn for the three way version.

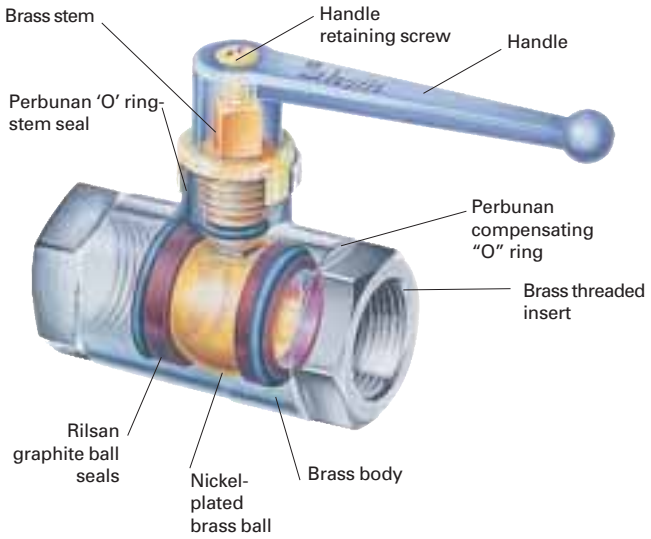
Principal advantages:

- optimum sealing due to compensating "O" rings
- smooth operation due to low friction coefficient of chemically nickel-plated brass
- excellent resistance to scaling due to ball seal configuration
- **Legris ball valves** provide many thousands of trouble free operations due to the "O" rings compensating for seal wear
- excellent resistance to pressure and temperature constraints

Reliability :

- the **ball** is sealed on both sides by graphite impregnated rilsan seals which are supported by perbunan compensating "O" rings. This ensures that the seal remains in contact with the ball at all times thus extending the life of the ball valve by preventing leakage should seal wear occur.
- the stem is firmly secured within a square insert on the ball and is sealed by an "O" ring.

technical specifications



working fluids	see application table on pages R24 to R27					
working pressure	20 to 40 bar depending on the model					
working temperature	- 20° to + 80°C					
constituent materials	body : sand blasted nickel-plated brass ball : polished brass stem : brass retaining nut : brass ball seal : graphite impregnated rilsan stem seal : nitrile compensating "O" rings : nitrile					
maximum tightening torques of ball valves, standard range	thread	G1/8	G1/4	G3/8	G1/2	G3/4
	m.daN	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
	thread	G1"	G1"1/4	G1"1/2	G2"	
	m.daN	0,50 to 0,70	0,40 to 0,60	0,80 to 1,20	0,80 to 1,20	