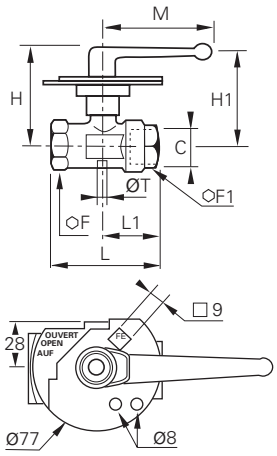
0437 in-line double female vented lockable ball valve

3/2



sand blasted nickel-plated body



locking plates are zinc plated steel

C	DN		F	F1	H	L	L1	M	T	kg
G1/4	7	0437 07 13	24	24	60	59	32	69,5	2	0,397
G3/8	10	0437 10 17	24	24	60	60	32	69,5	2	0,463
G1/2	13	0437 13 21	27	27	60	67,5	34,5	69,5	2	0,515
G3/4	18	0437 18 27	32	38	69,5	80	39,5	108,5	2,5	0,846
G1"	23	0437 23 34	41	46	73	94,5	47,5	108,5	3	1,174

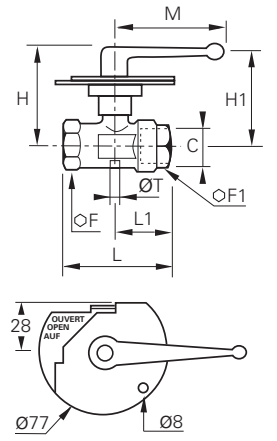
maximum working pressure : 40 bar
handle is non-removable

0439 double female with vent

3/2



sand blasted nickel plated brass

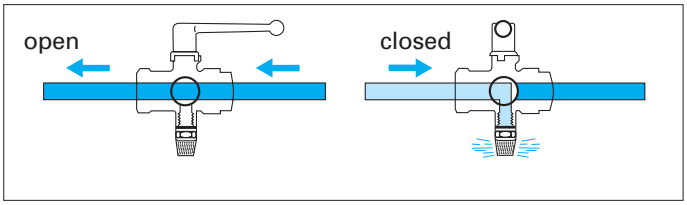


both fixed and moveable plates are zinc plated steel

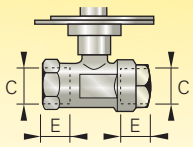
C	DN		F	F1	H	H1	L	L1	M	T	kg
G1/8	4	0439 04 10	19	19	59	54	51	27	69	2	0,420
G1/4	7	0439 07 13	24	24	60	55	59	31	69	2	0,480
G3/8	10	0439 10 17	24	24	60	55	59	31	69	2	0,459
G1/2	13	0439 13 21	27	27	62	57	67	34	69	2	0,511
G3/4	18	0439 18 27	32	38	66	56	80	39	108	2,5	0,834
G1"	23	0439 23 34	41	46	70	59	94	47	108	3	1,166

maximum service pressure : 40 bar
handle is non-removeable

with silencer noiseless discharge to atmosphere



Length of BSPP threads (E) for 0432 – 0439 – 0437 and 0438



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1"
E	8	12	12	15	16,5	19

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.

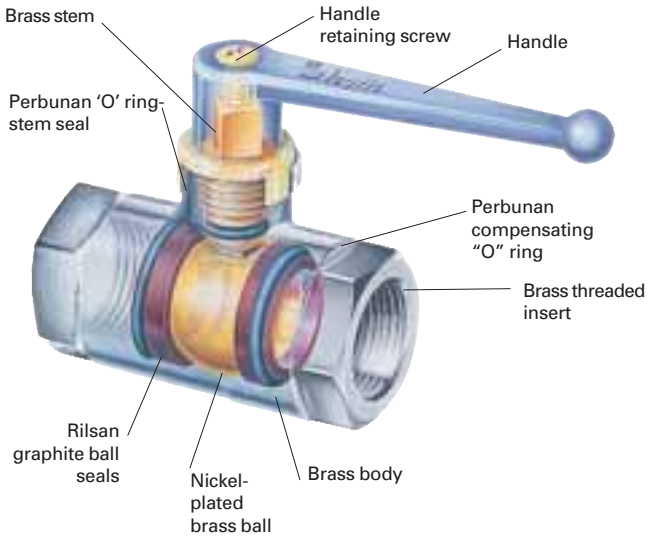
Principal advantages:

- 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	