

Ball Valves

One-piece Ball Valves
Stainless Steel, Soft seated

ECOLINE BLB-1RN



Main Applications

- General Industry
- Building
- Water

Fluids Handled

- Water
- Oil
- Gas
- Other fluids on request

Operating data

Operating properties

Characteristic	Value
Nominal pressure	1000 WOG
Nominal size	DN 8-50 (1/4"-2")
Max. permissible pressure [bar]	84
Max. permissible temperature [°C]	+220

Selection as per pressure/temperature ratings (=> Page 2)

Body materials

Overview of available materials

Material	Temperature limit
ASTM A351 CF8	≤+220°C
ASTM A351 CF8M	≤+220°C

Seat materials

Overview of available materials

Material	Temperature limit
RPTFE	≤+220°C

Design details

Design

- Design as per ASME B16.34
- Testing as per API 598
- Reduced bore
- One-piece ball valve
- RPTFE seat
- PTFE packing
- Blow-out proof stem
- Locking device
- Lever-operated
- Threaded ends

Product benefits

- Blow-out proof stem design with integral shoulder
- Resilient PTFE seat and smoother ball finish for reliable and tight shut-off

Related documents

Other applicable documentation

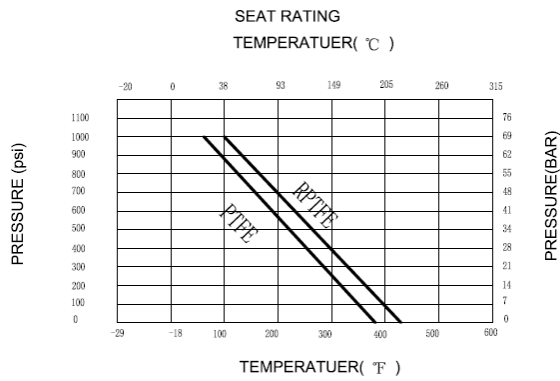
Document
Type series booklet ECOLINE BLB-2FD
Type series booklet ECOLINE BLB-3FD/FN

Purchasing order specifications

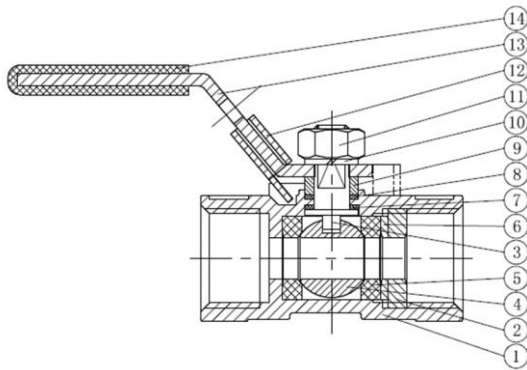
1. Type
2. Nominal pressure
3. Nominal size
4. Operating pressure
5. Differential pressure
6. Operating temperature
7. Fluid handled
8. Pipe connection
9. Valve materials, i.e. body, seat, ball
10. Variants

Pressure/temperature ratings

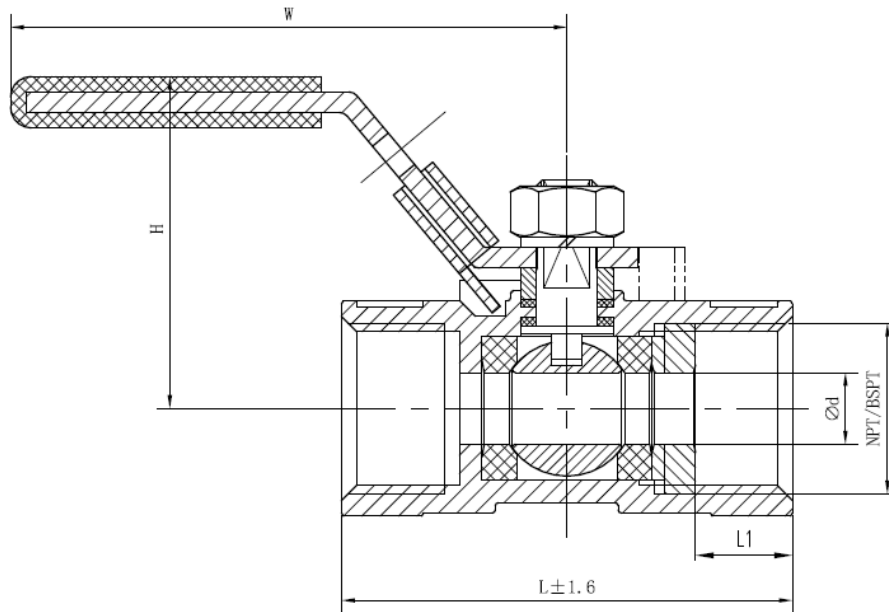
Permissible operating pressure



Materials



Part No.	Description	Material	
1	Body	CF8	CF8M
2	Bonnet	SS304	SS316
3	Stem	SS304	SS316
4	Ball	SS304	SS316
5	Seat	RPTFE	
6	Washer	SS304	SS316
7	Thrust washer	PTFE	
8	Packing	PTFE	
9	Gland	SS304	
10	Spring washer	SS304	
11	Lever nut	A2-70	
12	Lever Lock	SS201	
13	Lever	SS201	
14	Lever Sleeve	PVC	

Dimensions (mm) and weight [kg]


NPS	DN	Ød	L	L1	H	W	[kg]
1/4	8	5	39	9	31	75	0.15
3/8	10	7	44	9	36	77	0.15
1/2	15	9	59	14	42	97	0.17
3/4	20	12	60	14	45	102	0.25
1	25	15	72	17	55	123	0.39
1-1/4	32	20	77	17	59	130	0.65
1-1/2	40	25	84	18	65	150	0.81
2	50	32	100	21	71	160	1.34

Mating dimensions as per standard

Face-to-face lengths: Acc. to manufacturer
 Socket weld ends: ASME B16.11
 Threaded ends (NPT): ASME B1.20.1

Subject to technical modification without prior notice!