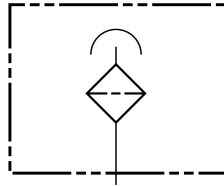


BL Series Spin-on Breathers



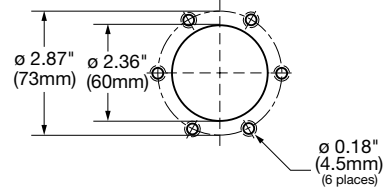
Hydraulic Symbols



Specifications:

- Maximum flow rate: 110 scfm /850 gpm
- 3 or 10 micron
- Steel Canister
- 10 micron Betamicon®
- Replaceable element

Mounting Hole Pattern for Flange Connection (F) (Flange Interface to DIN 24557/T2)



Model Code

BL P 160 G 10 W 2 . 0

Filter Type

- BL = Spin-on Breather
- BLT = Spin-on Breather with Dehumidifying Element (size 160 only)(in 3 micron only)

Filter Element Material

- P = Impregnated Paper
- BN = Betamicon®
- M = Desiccant (type BLT only)

Size

- 080 = 35 scfm (250 gpm) max.
- 160 = 110 scfm (850 gpm) max.
- 180 = 110 scfm (850 gpm) max.

Type of Connection

- G = Threaded
 - F = Flanged (gasket included, does not include mounting hardware)
 - S = Weld Fitting
- Available in sizes BL 160 and BL 180 Only

Filtration Rating (micron)

- 3 = 3µm Air Filtration (paper only)
- 10 = 10µm Air Filtration

Gauge Options

- W = Without Indicator

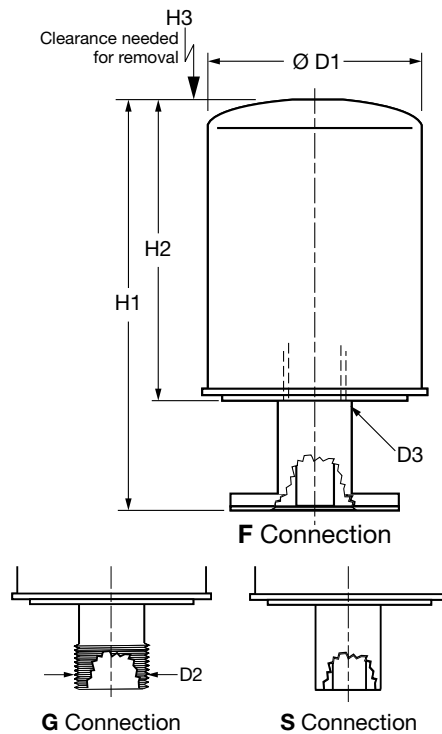
Type Number

- | Size | Tank Connection |
|-------------|--|
| 1 = BLT 160 | 1 1/4" NPT Thread, Flange, or Weld Fitting |
| 2 = 160/180 | 1 1/4" NPT Thread, Flange, or Weld Fitting |
| 3 = 080 | 3/4" NPT Thread |

Modification Number (standard)

Model Codes containing selections listed in RED italics are non-standard items – Minimum quantities will apply
Contact HYDAC for information and availability
Not all combinations are available

Dimensions



Size	ø D1	D2 NPT	D3	H1 (F or S)	H1 (G)	H2	H3
BL...80	3.67 (93)	3/4"	1"-12UNF-2B	-	7 (178)	5.4 (137)	0.75 (19)
BL...160	5.00 (127)	1 1/4"	1 1/2"-16UN-2B	9.25 (235)	8.75 (222)	7 (178)	1.00 (25.4)
BL...180	5.00 (127)	1 1/4"	1 1/2"-16UN-2B	13.25 (337)	12.75 (324)	11 (279)	1.00 (25.4)
BLT...160	5.33 (136)	1 1/4"	1 1/2"-16UN-2B	9.25 (235)	8.75 (222)	7 (178)	1.00 (25.4)

Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.
Dimensions are in inches/(mm)

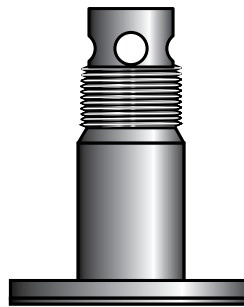
Breather Components

Replacement Elements



Size	10 micron Paper	3 micron Paper	10 micron Betamicon®	3 micron BLT Desiccant
80	0080MA010P 02058058	0080MA003P 02058079	0080MA010BN 02059424	N/A
160	0160MA010P 02058116	0160MA003P 02058114	0160MA010BN 02059436	0160MU003M 01265765
180	0180MA010P 02058121	0180MA003P 02057912	0180MA010BN 02059440	N/A

Adapters



Fiber Gasket Sold Separately
Order Part Number 00247102

Size	G Threaded Adapter	F Flanged Adapter	S Welded Adapter
80	ADAPTER BL 080G 3/4" NPT NBR 02064393	N/A	N/A
160 180	ADAPTER BL 160/180 G 1 1/4" NPT NBR 02064394	ADAPTER BL 160/180 F (PHOS) 00407646 (w/out Gasket) 02073864 (w/ Gasket)	ADAPTER BL 160/180 S (PHOS) 00416311

Weights

Model	lbs.	kg.
ELF 3	0.55	0.25
ELF E RV	0.66	0.30
ELF 4	0.44	0.20
ELF 5 (type no. 2)	5.95	2.70
ELF 5 (type no. 3)	6.83	3.10
ELF 7	0.84	0.38
BF 3	0.62	0.28
BF 3 RV	0.73	0.33
BF 4	0.18	0.08
BF 5	4.41	2.00
BF 7	0.88	0.40
BL 160	4.63	2.10
BL 80G	1.40	0.60
BL 160G	2.60	1.20
BL 180G	3.48	1.58
BL 160S	3.86	1.75
BL 180S	4.22	1.91
BLT 160	5.31	2.41



Spin-on BL80,
BL160 and BL180



Adapter Spin-on to Bayonet
Part Number 02701342



Bayonet Flange shown
on page 128.
Part Number 00002680

Engineering Data for Breathers (Models ELF, BF & BL)

Mounting Position:	ELF & BF BL (spin-ons)	Vertical (max. 30° off vertical axis) Vertical or Horizontal
Air Filter Material:		Phenolic Resin Impregnated Paper Note: None of the air filter elements can be cleaned.
Temperature Range:		-22° to 212°F (-30° to 100°C) Please contact HYDAC for information on extreme low or high temperature applications
Fluid Compatibility: (ISO 2943)		Compatible with all petroleum oils. Contact HYDAC office for information on other fluids.