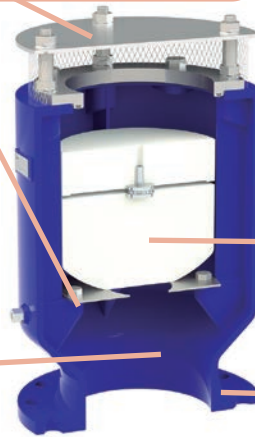


Air valves ensure the proper operation of the pipeline networks allowing the release of the air pockets and also the entrance of air in case of filling and draining the pipe line. LYNX Series air release valves are of single chamber design, very compact and occupying less space in the pipe lay out. These series are made for double and triple function but keeping the same outer design and dimensions. Modular accessories such as the AS mechanism that controls the air discharge speed can be provided to increase the performance.

Maintenance can be easily performed from the top without removing the air valve from the pipe.

Conventional bore, ductile iron valve body provided with internal ribs for consistent and accurate assembly guiding and allowing a good air circulation. EPOXI coated internally and externally.

Drainage valve for chamber control and draining.

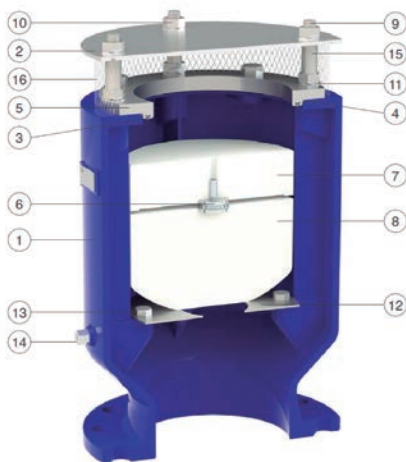


Float assembly comprises a polypropylene main cylindrical float and upper automatic orifice float (*). Nozzle and gasket holder (pat. pending) wear resistant thanks to gasket compression control.

Loose flange, versatile for rating PN 10/16/25/40

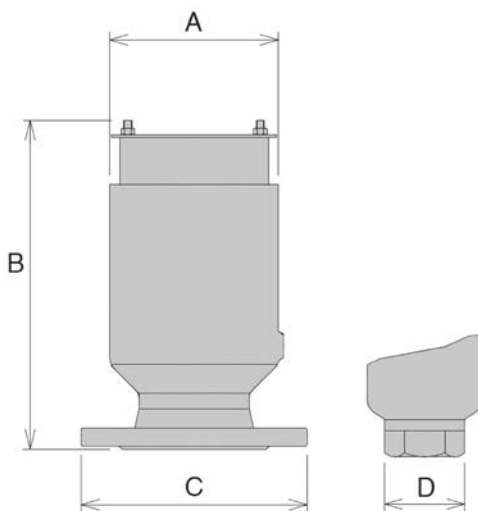
Multifunction Automatic Air release Valves* Diverse functions depending on the mobile block positioning: Triple Function (3LYNX) and Triple Function with Anti Surge Device (3LYNX-AS)* Size range: DN 50-DN 200 for flanged design and 1" and 2" on threaded design* Suitable to pipe works of DN 50 up to DN 1200* Pressure Rating: PN 10/16/25/40* Loose Flanges sized to ISO 2351 PN 16 – EN 1092 and drilled to the rating specification * Max. Allowable Working Pressure: 40 bar Max. (depending on the valve PN)* Min. Working Pressure: 0.5 bar * Max. Allowable Working Temperature: 70°C

Main Parts and Materials



N.	Component	Standard material	Optional
1	Body	ductile cast iron GJS 500-7	
2	Cap	stainless steel AISI 304	stainless steel AISI 316
3	O-ring	NBR	EPDM/Viton/silicone
4	O-ring	NBR	EPDM/Viton/silicone
5	Seat	stainless steel AISI 304	stainless steel AISI 316
6	Nozzle Subset	stainless steel AISI 316	
7	Upper flat	polypropylene	
8	Float	polypropylene	
9	Studs	stainless steel AISI 304	stainless steel AISI 316
10	Bolts	stainless steel AISI 304	stainless steel AISI 316
11	Washer	stainless steel AISI 304	stainless steel AISI 316
12	Diffuser	stainless steel AISI 304	stainless steel AISI 316
13	Screws	stainless steel AISI 304	stainless steel AISI 316
14	Drain valve	stainless steel AISI 303	stainless steel AISI 316
15	Spacers	stainless steel AISI 304	stainless steel AISI 316
16	Filter	stainless steel AISI 304	

Main Valve Dimensions (mm)



CONNECTION inch/mm	A mm	B mm	C* mm	C** mm	D mm	Weight Kg
Threaded 1"	93	217			CH 45	3,3
Threaded 2"	118	277			CH 75	6,1
Flanged 50	118	290	165	165		8,1
Flanged 65	118	290	185	185		8,6
Flanged 80	142	322	200	205		11,1
Flanged 100	180	364	220	235		18,5
Flanged 150R	218	435	285	300		34,5
Flanged 150	261	500	285	300		49
Flanged 200R	261	500	340	340		51
Flanged 200	333	574	340	375		94
Flanged 250R	333	574		400		102
Flanged 250	414	735		450		121
Flanged 300R	414	735		485		127
Flanged 300	492	850		515		240
Flanged 350R	492	850		580		250,5
Flanged 350	570	995		580		295
Flanged 400R	570	995		660		304

* M.F. = mobile flanges version

** F.F. = fixed flanges version

This table shows the corresponding DN of the Air Valve bearing in mind a velocity filling of the pipe of 1 m/sec.

DN PIPE	DN AIR VALVE
DN 50-150	DN 50-65
DN 200-300	DN 80
DN 350-450	DN 100
DN 500-650	DN 125-150
DN 700-900	DN 200

Sizing:

We can provide flow charts for all the models and we have sizing and design software and test bench at the factory.

The air valves must be sized according the real working conditions independently of the pipeline DN. The left table is exclusively as an orientation, please contact us for further support.



Options

Cover options:

Option available:

- SUB: with elbow for air conveyance. Allowing the function of the valve even in flood conditions. Another benefit to avoid the spray effect, in the closure of the air valve

Option unidirectional: air entrance only (IO) or air discharge only (EO)

Modelo Anti Water Hammer version AS (Anti-Slam):

Anti water hammer air valve. With a discharge restriction disc that control the discharge speed preventing the water hammer. Available for any model (LYNX 3F AS)

Air valve with Air Filling Preventer mechanism Model RFP:

Innovative function. This model will always maintain the air outflow within a safety limit, without the risk of water hammer.

Mod. FOX:

Similar features than LYNX but full bore



Model RFP



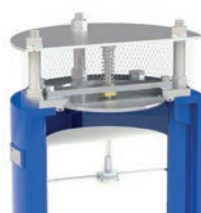
Model AS



Standard Cover



Option SUB



Air entrance only
(IO)



Air discharge only
(EO)