



LYE

AIR VALVES

HIGH-PERFORMANCE
DYNAMIC

“SINGLE CHAMBER SMART AIR VALVE”

DESIGNED FOR AIR RELEASE, DISCHARGE, VACUUM &
WATER HAMMER SUPPRESSION



Model No.: LYE 538

In Brief

- ▶ Automatically Release Small Pockets of Accumulated Air from Pipeline Operating Under Pressure
- ▶ For Large Volume of Air Discharging during Pipeline Filling while Pressurizing
- ▶ Heavily Air Admittance during Pipeline Draining while Depressurizing for Vacuum Prevention
- ▶ Mechanism for Suppressing Water Hammer
- ▶ **Working Pressure** : 10/16 Bar
- ▶ **Shell Test Pressure** : 15/24 Bar
- ▶ **Seat Test Pressure** : 11/17.6 Bar
- ▶ **Coating** : Fusion Bonded Epoxy
- ▶ **Sealing** : EPDM

Standards

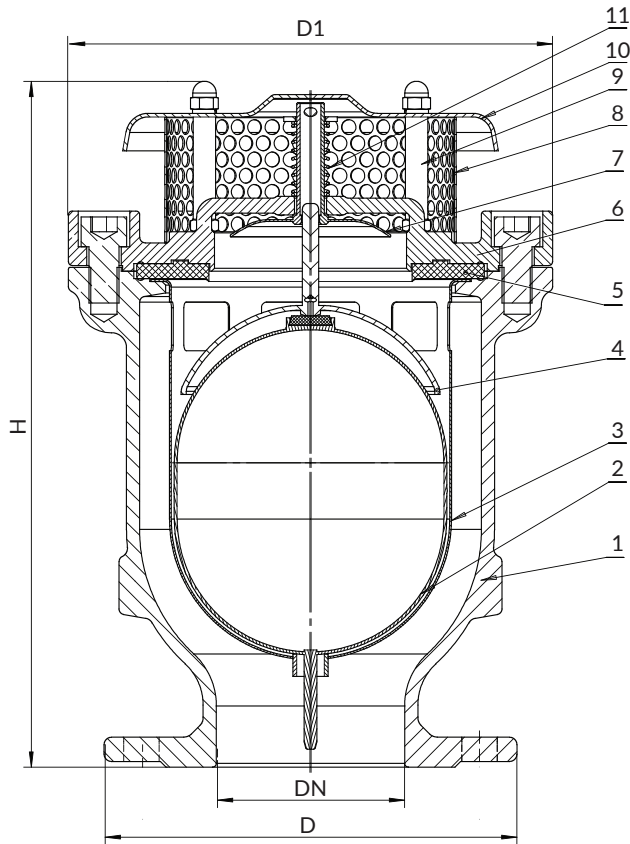
- ▶ **Test** : BS EN 1074-4
- ▶ **Flange** : EN 1092-2

Features

- ▶ **Float Material** : Stainless-Steel
- ▶ Unique Design Prevents Premature Float Quick Closure
- ▶ Guided Float Design Minimises Float Movement
- ▶ Excellent Low-Pressure Sealing
- ▶ Energy Efficient - Minimize Head Loss & Pumping Cost
- ▶ Ensure Accuracy in Flow Metering

HIGH-PERFORMANCE DYNAMIC
" SINGLE CHAMBER SMART AIR VALVE "

Technical Table



Part List & Materials

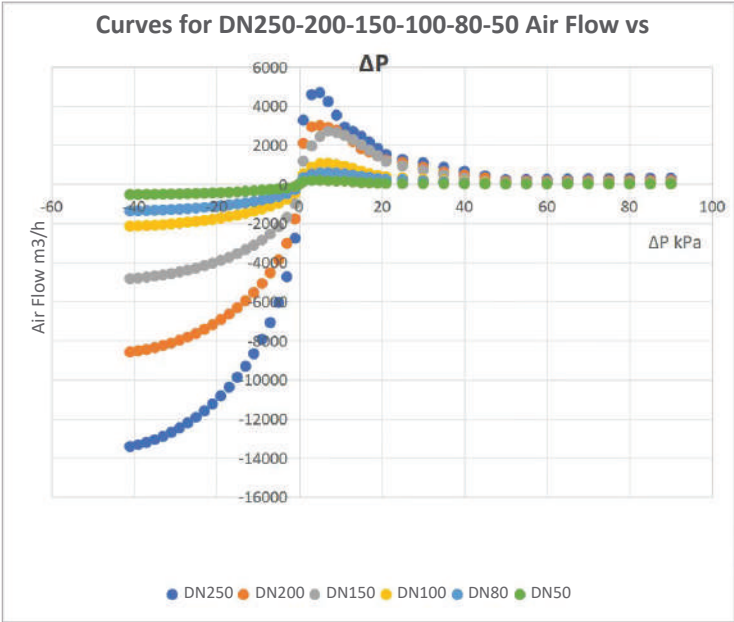
No.	Item	Material	Standard Reference
1	Body	Ductile Iron	BS EN1563
2	Float	Stainless Steel	EN 10088-3
3	Protective Sleeve	Stainless Steel	EN 10088-3
4	Disc	Stainless Steel	EN 10088-3
5	Seat Sealing Ring	EPDM	BS EN 681
6	Bonnet	Ductile Iron	BS EN1563
7	Throttle Disc	Stainless Steel	EN 10088-3
8	Screen	Stainless Steel	EN 10088-3
9	Support Column	Stainless Steel	EN 10088-3
10	Protective Cover	Carbon Steel	BS 4190
11	Spring	Stainless Steel	EN 10088-3

Specifications & Parameters Chart

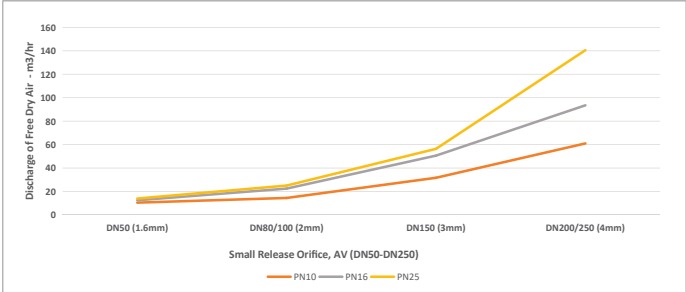
DN (mm)	D (mm)	D1 (mm)	H (mm)
50	165	165	283
80	200	193	312
100	220	258	366
150	285	289	466
200	340	352	587
250	405	457	792

Air Flow Performance Charts

Air Discharge & Admission (Pipeline Filling, Draining & Vacuum Conditions)



Air Release (Pressurised Operations)



Note: Technical data provided in this brochure is indicative only and may be subject to change without prior notice.



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