2024

NON SLAM DYNAMIC AIR RELEASE VALVES

tayfur su sistemleri

TYPHOON®

ABOUT US

Tayfur Water Systems, which was established by Tayfun Yazaroğlu in 2004 in Izmir. We continue our activities as “Tayfur Water Systems Machinery Engineering Industry and Trade Inc.” since 2017.

Our company offers its products and experiences to the local market and international market. Tayfur Water Systems, while strengthening its recognition abroad, continues to expand its production, sales and marketing activities every day.

Our engineers and technical staff, technological infrastructure, manufacturing, sales, project-consulting, contracting and service planning meets the requirements of the sector.

Our company manufactures “TYPHOON” brand, hydraulic control valves, plastic hydraulic control valves, backwash valves, plastic backwash valves, impact-free dynamic suction cups, plastic suction cups, bottom clamps, filter reverse flushing control devices. It is progressing towards becoming a strong brand in both domestic and foreign markets by meeting the special demands of its domestic and foreign customers.

Our Quality Policy

In order to be a leader in quality in the sales, marketing and service sector by complying with legal conditions and to comply with the requirements of Quality Management System in order to meet the needs and expectations of our customers, to continuously improve the efficiency and to not compromise the quality under any circumstances.

Our Mission

To be a company aiming to present its synergy in the national and international market which has always taken its responsibilities, desires and expectations of our customers in a correct, reliable and timely manner, within the framework of high quality standards, transforming efficiency and competition into an advantage...

Our Vision

To be a leading, innovative, powerful and reputable enterprise in its sector.

Non Slam Dynamic Air Release Valves

In a Non Slam Dynamic Air Release Valve; Air and water situated in the suction pipe begins to move at a high speed. When the water reaches the air release valve at a high speed the valve will suddenly close which will cause an impact on the system.

Non slam dynamic air valves slow down the high speed evacuation gradually. It does not reflect this problem on to the system.

In the case of a column break, the water columns are separated from each other to create a low pressure between them. During this time, the air sucks in high volume in normal suction cups.

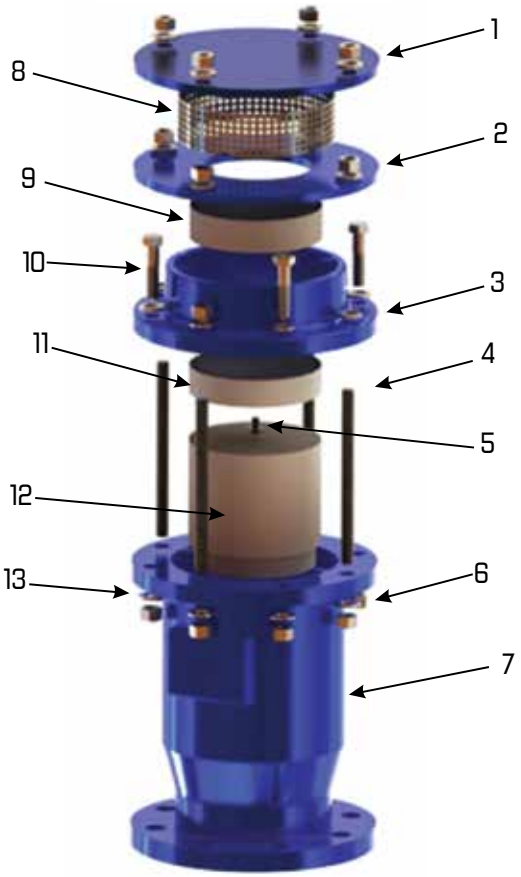
However, in our suction cup, there is a non-impact suction such as a pulse. Thus, moments are reduced while the columns are separated from each other. The momentum is lost and the columns return again. Standard suction cups will blow air out quickly.

Thus, the collision speed and impact of the columns increase. Unwrapped opening and closing suspends the water columns and reduces the energy of the columns as a pillow acts as the columns are opened and closed with some vacuum and air remaining. This solves the pulse problem

Order Information

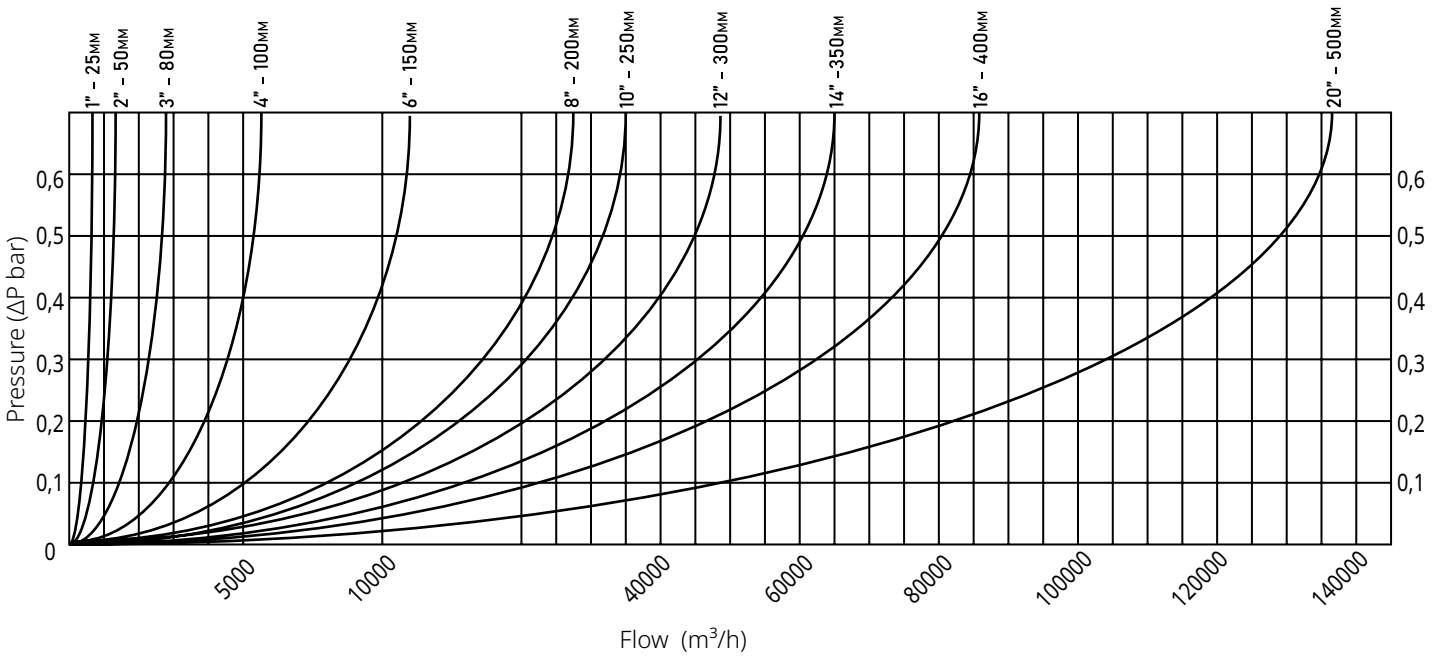
Please provide the following information in order

Maximum mains / operating pressure ..... bar
Main pipeline diameter ..... mm
Valve connection type

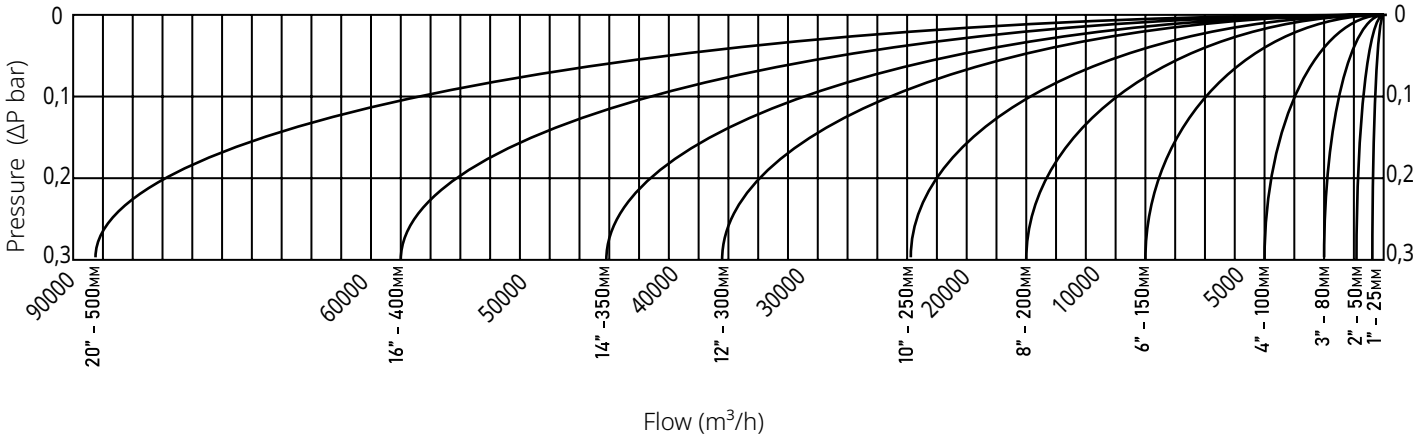


#	Material Name	Type of Material
1	Top Cover	ST-37
2	Cover	ST-37
3	Top Body	GGG40
4	Stud Bolt	8.8 Stainless Steel
5	Valve	Stainless Steel
6	Nut	8.8 Stainless Steel
7	Body	GGG40
8	Filter	Stainless Steel
9	3rd Float	HDPE
10	Bolt	8.8 Stainless Steel
11	2nd Float	HDPE
12	1st Float	HDPE
13	Washer	Stainless Steel

Nominal Air Release Capacity of Non-Pulse Dynamic Air Release Valve

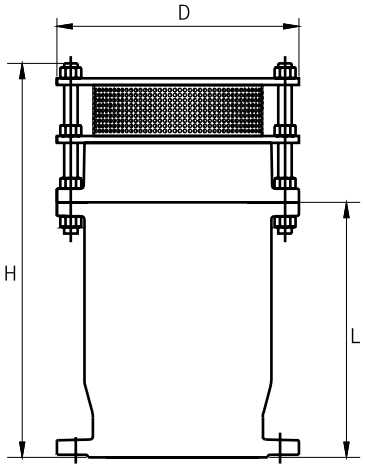


Nominal Air Intake Capacity of Non-Pulse Dynamic Air Relief Valve



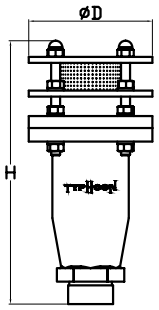
Flanged

DN		D		L		H		Weight	
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
2	50	6,50	165	8,11	206	12,91	328	32,30	14,650
2½	65	7,28	185	8,11	206	12,91	328	33,00	14,950
3	80	7,87	200	9,45	240	14,88	378	47,40	21,500
4	100	8,66	220	10,24	260	15,75	400	57,20	25,950
6	150	11,22	285	11,81	300	17,68	449	100,50	45,600
8	200	13,39	340	11,81	300	18,03	458	132,60	60,150
10	250	15,95	405	17,91	455	24,88	632	271,20	123,000
12	300	18,11	460	18,70	475	25,20	640	436,80	198,150



Threaded

DN		D		H		Weight	
inch	mm	inch	mm	inch	mm	lbs	kg
1"	25	4,50	115	10,16	258	12,10	5,50
1½"	40	4,50	115	10,16	258	13,23	6,00
2"	50	6,50	165	13,80	350	27,60	12,50



Full Open

Allows air to be absorbed or discarded at low pressure differentials

Non Slam Closed

High air pumping slows down intake and suction speeds.

Air Release

System air bubbles Away from the system.

Full Closed

System is sealed Fully closed when running It happens

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TYPHOON®

Her Fabrika Bir Kaledir*

*Every factory is a fortress

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