



# SEWAGE AIR RELEASE VALVE

TAYFUR WATER SYSTEMS

TYPHOON®

We **Care** About  
Every Drop of  
**Water**



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.

## STORY OF US

### 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.



# SEWAGE AIR RELEASE VALVE



During the first start-up of the system, it allows the high amount of air in the pipeline to be quickly evacuated from the system. When the water reaches the waste water suction cup sphere, the double acting plastic suction cup float attached to the sphere lifts up and closes the outlet of the suction pad. Thus, due to the compressed air trapped inside, the waste water is closed before reaching the plastic suction cup. The sealing elements of the plastic suction pad continue to fulfill their function.

During the withdrawal or evacuation of the water in the pipeline, the pressure in the line is lower than atmospheric pressure. This situation, called vacuum effect, causes collapse and cavitation damage in pipes. The float attached to the waste water suction sphere goes down and prevents this problem by providing air flow to the pipeline from outside.

When the system is in service, that is, when the pipeline is under pressure, the low amount of air is dragged with water and collects in certain parts of the line. The accumulated compressed air is evacuated together with the water and the float connected to the sphere is partially opened. After evacuation, the float rises again and closes the suction cup outlet.

Thanks to the design of the waste water suction cup, it can work smoothly in the sewer networks by preventing the problems of standard suction pads such as clogging and damage in waste water. It is long-lasting thanks to the fact that its existing parts are stainless and can be easily cleaned with the ball valve on it.

## Order Information

Please provide the following information in order

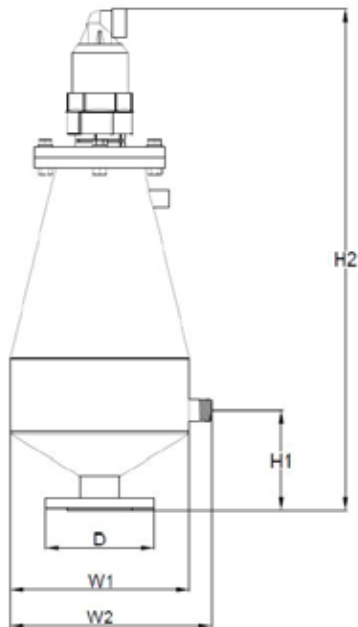
Maximum mains / operating pressure ..... bar

Main pipeline diameter ..... mm

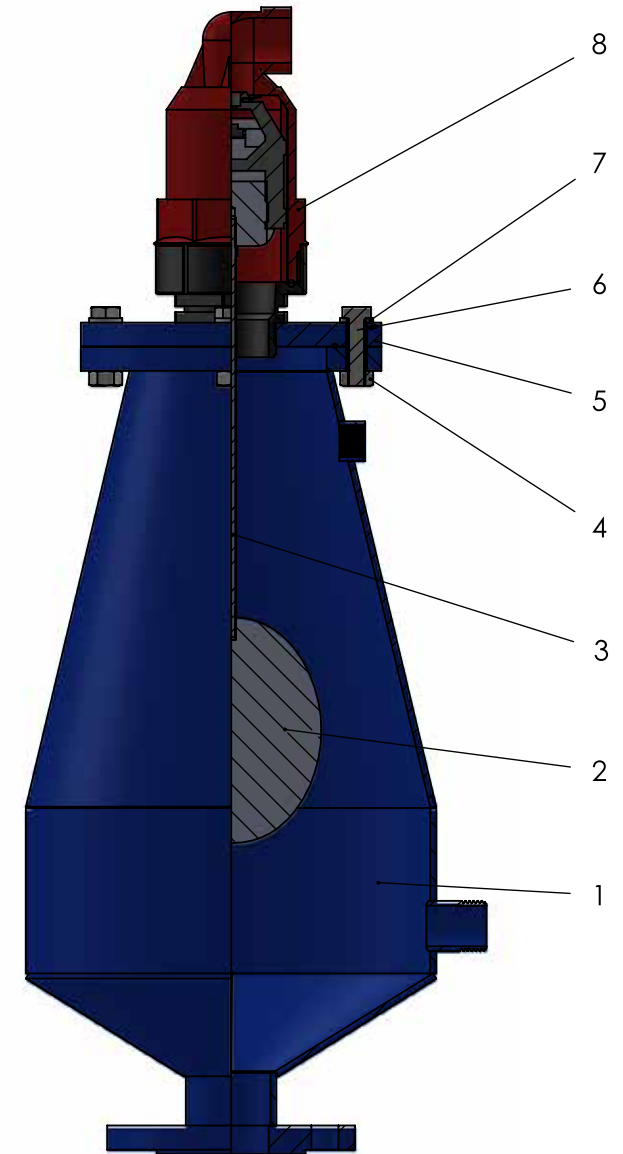
Valve connection type

# SEWAGE AIR RELEASE VALVE

Size inch / DN	D		W1		W2		H1		H2		Weight	
	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg
DN50	6,50	165	10,75	273	12,05	306	5,94	151	30,04	763	45,41	20,60
DN80	7,87	200	10,75	273	12,05	306	5,94	151	30,04	763	47,61	21,60
DN100	8,66	220	10,75	273	12,05	306	5,94	151	30,04	763	48,94	22,20
DN150	11,22	285	10,75	273	12,05	306	5,94	151	30,04	763	56,22	25,50
DN200	13,39	340	10,75	273	12,05	306	5,94	151	30,04	763	61,73	28,00



#	Material Name	Type of Material
1	Body	ST 37
2	Sewage - Air Release Valve Globe	Stainless Steel
3	Shaft	Stainless Steel
4	Nut	8.8 Coated Steel
5	Cover	ST37
6	Bolt	8.8 Coated Steel
7	Washer	8.8 Coated Steel
8	2" Double CHamber Air Valve	Plastic





A technical drawing of a mechanical assembly in cross-section. The assembly is primarily red, with internal components in grey and black. Five numbered callouts point to specific parts: 1 points to a top internal component, 2 points to a middle internal component, 3 points to a lower internal component, 4 points to a bottom internal component, and 5 points to a side-mounted component.

**TYPHOON**



# EXHIBITIONS









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**Water**



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TYPHOON

**Her  
Fabrika** Bir  
Kaledir\*

*K. Atatürk*

\*Every factory is a fortress

