2024

SINGLE CHAMBER AIR VALVES

tayfur
su sistemleri

TYPHOON®

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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.

Single Chamber Kinetic Vacuum Air Valve

TYPHOON Single Chamber Air Release and Vacuum Valves are designed to perform two functions:

1. The venting of large volumes of air on the start-up of the system, while pipelines are failled.

2. The intake of large volumes of air on shut-of the system, while pipelines are being drained.

Operations

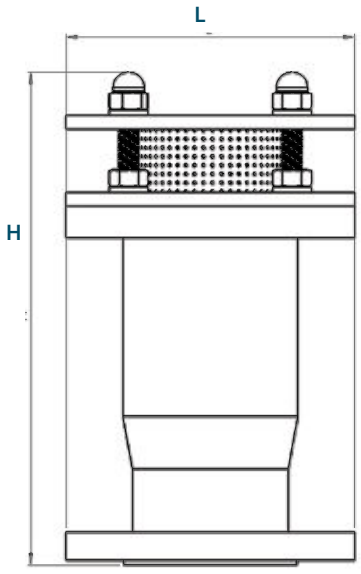
1. System is turned-on by a valve opening or a pump start:

   a. Water moves along the pipeline, pushing air.
   b. The air is vented through the air valve.
   c. Water flows inside the air valve, causing the float to rise and seal the outlet.

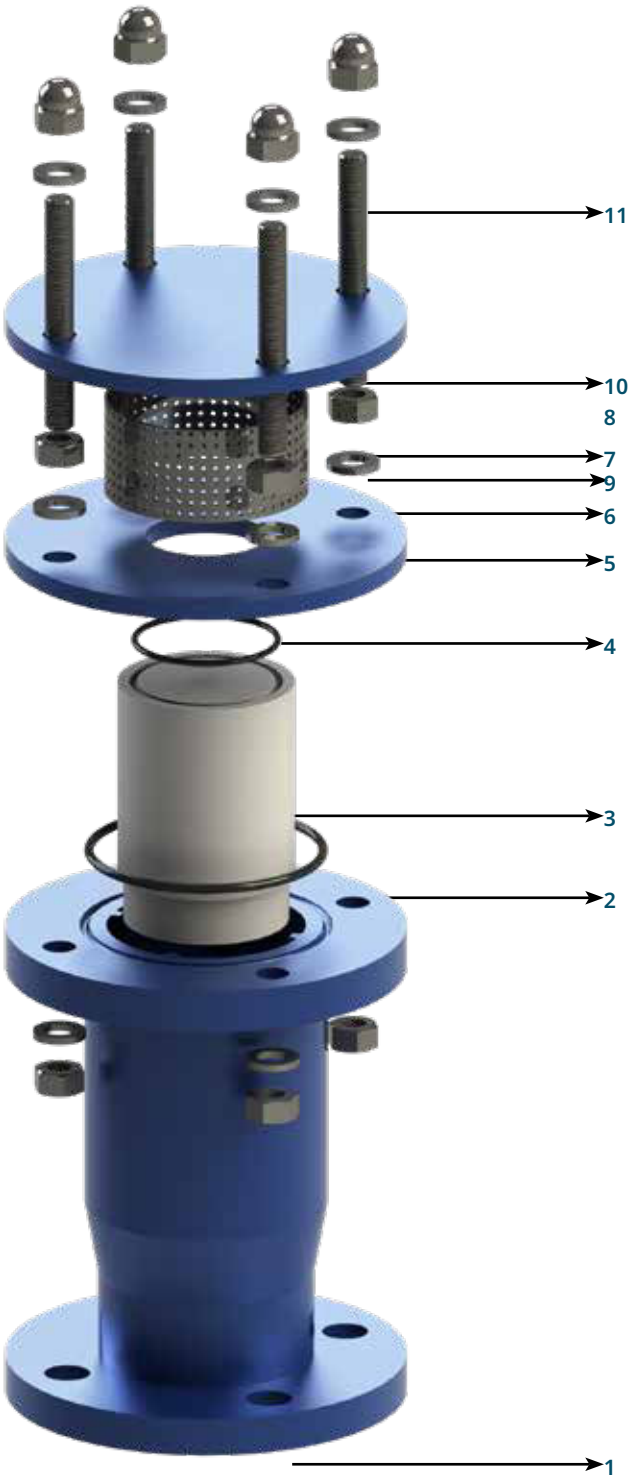
2. System is turned-o! by a valve closing, pump shut-o! or by an electricty failure:

   a. Water drains and the level of water in the pipeline drops, causing vacuum inside the system.
   b. The “oat drops and opens the outlet of the valve.
   c. Air is let in the system.

Size (inch-DN)			L		H		Weight
inch	DN	Connection	inch	mm	inch	mm	kg
2	50	Flanged	6,496	165	110,83	281,5	11
2½	60	Flanged	7,283	185	11,122	282,5	12
3	80	Flanged	7,784	200	12,460	316,5	17
4	100	Flanged	8,661	220	13,327	338,5	20
6	150	Flanged	11,220	285	15,216	386,5	35
8	200	Flanged	13,386	340	15,216	386,5	46
10"	250	Flanged	17,52	445	26,97	685	120
12"	300	Flanged	20,55	522	23,23	590	190



Single Chamber Kinetic Vacuum Air Valve



#	Material Name	Type of Material
1	Valve Body	GGG40
2	O-Ring	NBR
3	Floater	Polyethylene
4	O-Ring	NBR
5	Bottom Flange	ST37
6	Filter	Stainless Steel
7	Washer	Stainless Steel
8	Nut	Stainless Steel
9	Top Flane	ST37
10	Stud Bolt	Stainless Steel
11	Capped Nut	Stainless Steel

The 1" Air Release Valves are designed to perform single specified function:

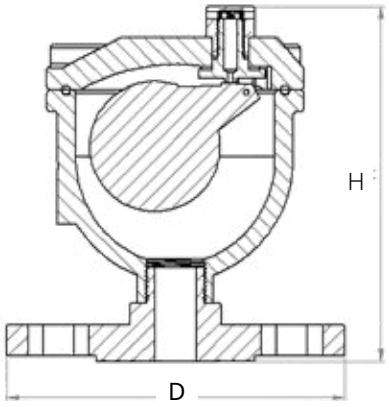
The Discharge of pressurized air pockets during the operation.

The 1" Air Valves that are installed especially in the pump stations decrease overall pumping costs by discharging small pressurized air pockets that are slowing down the water flow.

Order Information

Please provide the following information in order

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



Size (inch - DN)		D PN 10/16		H PN10/16		Weight
		inch	mm	inch	mm	kg
1"	Threaded	5,59	142	6,456	164,0	6,38
DN40	Flanged	5,91	150	7,697	195,5	7,00
DN50	Flanged	6,50	165	7,697	195,5	7,50
DN65	Flanged	7,28	185	7,697	195,5	9,70
DN80	Flanged	7,87	200	7,697	195,5	10,00
DN100	Flanged	8,66	220	7,697	195,5	11,00
DN150	Flanged	11,22	285	7,697	195,5	13,00

#	Material Name	Type of Material
1	Flanged	GGG40
2	Body	GGG40
3	O-Ring	NBR
4	Floater Ball	HDPE
5	Floater Pin	Brass
6	Orifice	Brass
7	Sealed Rubber	EPDM
8	Cover	GGG40
9	Inbus Bolt	Brass
10	Bolt	Stainless Steel

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TYPHOON®

Her Fabrika Bir Kaledir*

*Every factory is a fortress

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