

Units: mm / Indicative dimensions & weights

KG

11,5

245

25

70

87

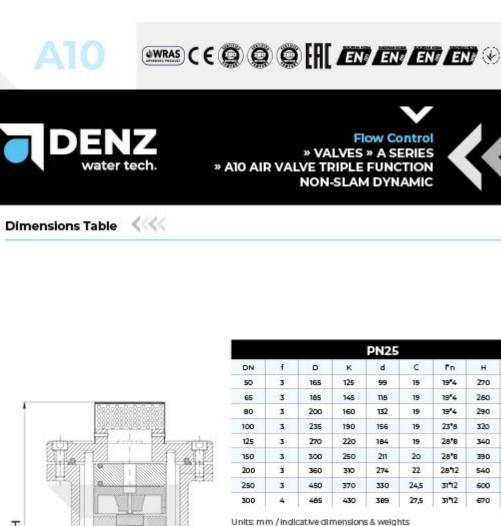
KG

11,5

24,5

70

87



					PN25				
	DN	f	D	К	d	С	ľn	н	кG
	50	3	165	125	99	19	19*4	270	n
	65	3	185	145	118	19	19*4	280	11,5
984848988	80	3	200	160	132	19	19*4	290	17
888888888	100	3	235	190	156	19	23*8	320	24,5
113.	125	3	270	220	184	19	28"8	340	28
VA VA	150	3	300	250	211	20	28*8	390	48
	200	3	360	310	274	22	2812	540	75
	250	3	450	370	330	24,5	3172	600	96
	300	4	485	430	389	27,5	3172	670	109
	Units: m	m , indi	Cative dil		PN40				
			112				-		
T Omat	DN DN	f	D	125	d	C	in 19*4	H 270	KG
11114	I 65	3	165	125	99	19	19"4	280	14,3
1 1	80	3	185	160	132	19	19*8	290	14,9
	100	3	235	190	156	19	23*8	320	31,8
_	125	3	270	220	184	23,5	28*8	340	36,4
	125	3	2,0	LLU	104	23,3	20.0	340	30,4

200

250

320

450

Units: mm / Indicative dimensions & weights

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284

30

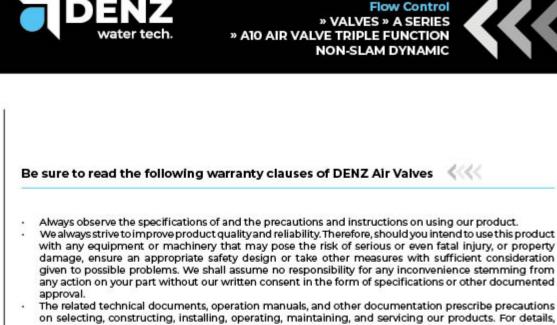
3172

3472

540

124,8

>>5



Any product abnormality that occurs during the warranty period or which is reported to us will be investigated immediately to identify its cause. Should our product be deemed defective, we shall assume

Always operate the valve within the pressure vs. temperature range. (The valve can be damaged or

Do not use the valve in conditions where the fluid may have crystallized. (The valve will not operate

Keep the valve out of direct sunlight, water, and dust. Use cover to shield the valve. (The valve will not

Perform periodic maintenance. (Leakage may develop due to temperature changes or over periods of

immediately after installing the pipeline, or in similar cases, the pipe may contain accumulated soil, sand, dirt, or dust. If, therefore, the valve is subjected to water (filled with water) for the first time, discharge such soil, sand, dirt, and dust sufficiently by using a mud discharge valve or something similar.

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» ATO AIR VALVE TRIPLE FUNCTION

Flow Control

» VALVES » A SERIES

NON-SLAM DYNAMIC

Any repair or replacement needed after the warranty period ends shall be charged to the customer.

Do not step on or apply excessive weight on air release valve. (It can be damaged.) Keep the valve away from excessive heat or fire. (It can be damaged or destroyed.)

consult with our nearest distributor or agent.

deformed by operating beyond the allowable range.) Allow sufficient space for maintenance and inspection.

If any part has the risk of freezing, insulate it thermally.

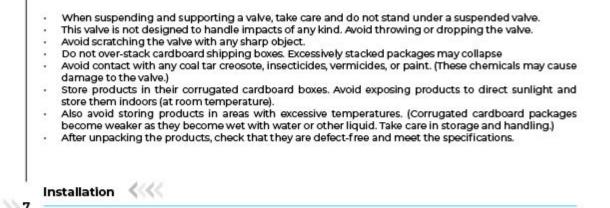
the responsibility to repair or replace it.

General Operating Instructions

prolonged storage, rest or operation.)

properly.)

operate properly.)



The installation of the valve is important for its proper operation. DENZ Air Valves must be installed at the system high points in the vertical position with the inlet down. For pipeline service, a vault with freeze protection, adequate screened venting, and drainage should be provided. During closure, some fluid discharge will occur so vent lines should extend to an open drain area in plant service. A shut-off valve

The standard DENZ Air Release Valve body and cover are ductile iron. See the specific Materials List submitted for the order if other than standard ductile iron construction. All internal components are stainless steel with

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» A10 AIR VALVE TRIPLE FUNCTION

Periodic inspection to verify operation can be performed. A manual drain valve can be installed in the lower

working properly, water should be exhausted from the drain valve.

Slowly open the drain valve to allow the fluid in the valve to drain.

With the inlet shutoff valve open, partially open the drain valve until flow can be heard. If the air valve is

Slowly open the inlet shutoff valve to fill the valve with water. Observe the seating action and verify that

If leakage occurs, the valve should be removed and inspected for wear or possible damage from foreign

Several problems and solutions are presented below to assist you in troubleshooting the valve assembly in

Leakage at Bottom Connection: Tighten valve threaded connection. If leak persists, remove valve and seal

Valve Leaks when Closed: Flush valve to remove debris. Disassemble and inspect seat, orifice button, and

Valve not Venting Air. Check that operating pressure does not exceed Working Pressure on nameplate.

float. NOTE: Many floats contain sand for weight but if water is detected, replace float.

Flow Control

» VALVES » A SERIES

NON-SLAM DYNAMIC

General Instructions For Transportation, Unpacking and Storage

should be installed below the valve in the event servicing is required.

The DENZ Air Release Valve series requires no scheduled lubrication or maintenance

Valve Construction

the polyethylene floats.

Inspection <

3.

drain plug to perform this operation.

Close the inlet shutoff valve.

the valve closes without leakage.

Close the drain valve.

Troubleshooting <

threads with thread sealant.

Leakage at Cover: Tighten bolts and replace gasket.

Perform inspection and disassemble valve if problem persists.

an efficient manner.

Dissembly <

Clean and inspect parts.

Reassembly <

OVER-TORQUE.

Parts and Service

DENZ Su Teknolojileri A.Ş. 06520, Ankara, Turkey www.denzwater.com

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prevent the stem rotation.

Storage

> 10

button by tightening lock washer and nut.

Assemble gasket and cover over bolt holes in body. Insert lubricated bolts and tighten to the torques available. Place valve back in service. Slowly open inlet isolation valve.

and Working Pressure located on the valve nameplate and contact:

tighten.

over pins.

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necessary,

Maintenance

**X**:</

re	ne valve can be disassembled without removing it from the pipeline. Or for convenience, the valve can be moved from the line. All work on the valve should be performed by a skilled mechanic with proper tools. o special tools are required.
1.	Close inlet shut-off valve. Open drain valve or remove drain plug. Remove the cover bolts on the top cover.
2.	Pry cover loose and lift off valve body.
3.	Remove the 2 retainer rings and pivot pins that pass through the lever frame. The float and linkage will be free from the cover. Disconnect float from lever.
4.	To remove lever frame, remove two round-head fasteners. Rotate seat counterclockwise to remove.
5.	Remove locknut and orifice button from orifice button arm.

Note: some floats contain sand for extra weight; if water is detected, replace float. Replace worn parts as

All parts must be cleaned and gasket surfaces should be cleaned with a stiff wire brush in the direction of the serrations or machine marks. Worn parts, gaskets and seals should be replaced during reassembly.

Assemble lever frame to cover over locating pin in cover. Secure with screws and washers.

Apply adhesive thread sealant to seat and assemble Cover with maximum torque of 27 Nm; DO NOT

Install new orifice button flush to arm. Assemble lock washer and locknut over orifice button but do not

Connect arms and assemble to lever frame with four pivot pins and retaining rings; rings should snap

Adjust orifice button so that orifice button arm slopes up when resting gently against seat. Secure

Attach float by installing last pivot pin into lever frame. Float should move freely pressing the orifice button against the seat when pushed upward. Verify that all retainer rings are properly secured.

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» A10 AIR VALVE TRIPLE FUNCTION

Flow Control

» VALVES » A SERIES

NON-SLAM DYNAMIC

9	Te	Test Procedures							
		Hydrostatic test							
		Air release test							
		Air release under pressure							
	0.00	Air vacuum test							
		Low pressure sealing test							
	0.00	Body resistance test							

Parts and service are available from your local representative or the factory. Make note of the valve Model No

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Flow Control

» VALVES » A SERIES

NON-SLAM DYNAMIC

» A10 AIR VALVE TRIPLE FUNCTION

- a) The valves should be kept in a dry and airy environment indoors and valve both ends should be blocked. b) Valves should be checked regularly in long-term storage, to remove the dirt. Pay attention to keep the sealing surface clean and avoid sealing surface be damaged. c) Valves stored for extended periods should be prepare in the following manner. The gate should be moved to the open position. This will prevent foreign debris and water from damaging the closed wedge.
- help protect the gate surface. Flange protectors or end caps should be securely fastened in place. A protective cover should be applied to the exposed stem and exposed open areas, if the valve is awaiting an operator or has an open yoke for any reason. This will prevent moisture damage. Before Installation

If it impossible to move the valve to the open position, a coating of grease should be applied to

Ensure working conditions are within the specified capacity of the product being installed. Refer

The distance between pipe flanges should be checked to assure sufficient clearance for valve.

- to the certified Engineering drawings to assist in determining these values. Make sure that the construction material of the Gate Valve is chemically compatible with the media flowing in the pipeline Before installation, rotate the handwheel to check whether valve rotation is flexible and positioning accuracy. Make sure valve inside and the pipeline are clean. Any foreign material such as pipe scale, metal chips etc. can obstruct disc movement or damage the valve. Make sure packing seals, the packing should be compressed tightly before installation, meanwhile do not
- Wedge should be full opened or closed when under pressure. Can't use the wedge to regulate the flow rate. At usage, stem screw should be in-pouring lubrication usually. Regular check on valve's seals surface, stem and gasket, packing etc. parts. If any parts broken, should repair or replace in time. <u>wras</u> C € ② ② ② [H[ *EN EN EN EN* €