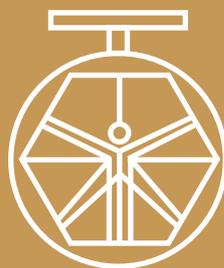


**GROUP 500
AUTOMATIC
CONTROL
VALVES
MOD. 500/31**



**DAVINCI
VALVES™**

**TECHNICAL
DATA SHEET
WATER Series**

**AIR RELIEF VALVES
THREADED END TRIPLE FUNCTION**

**DAVINCI
VALVES™**



**QUALITY
ASSUREMENT**

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1 Wang Kwong Road, Kowloon Bay
Kowloon HONG KONG

AIR RELIEF VALVE TRIPLE FUNCTION THREADED END PN10/16/25 ref.500A / GAS / NPT

APPLICATION:

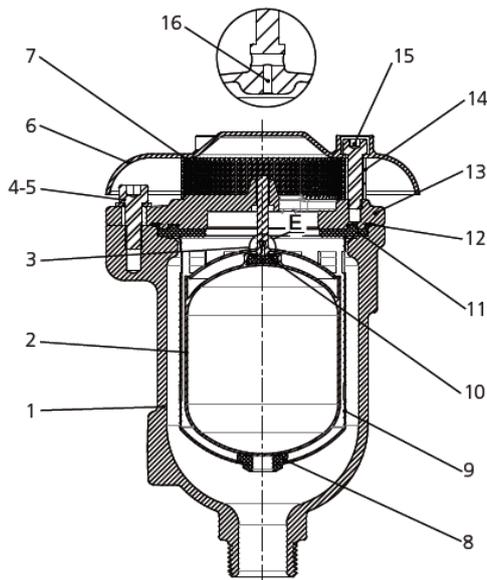
Water distribution pipelines.
Disposal of large volumes of air during fill of the pipes of system.
Add great amount of air to the system during the purge of the pipes.
Release of pressurized air pockets during operation.

STANDARDS:

Hydrostatic test according to EN 12266-1, class A.
EC directive
Construction according to EN 1074-4 and AWWA C512
Threaded end according to GAS / NPT

WORKING CONDITIONS (EPDM):

Maximum Working Pressure: 25 bar.
Maximum Working Temperature: -10 °C / +90 °C.



ITEM	PART NAME	MATERIAL	STANDARD
1	BODY	Ductile Iron	EN GJS 500-7
2	FLOAT	Stainless Steel	304
3	SEALING ARC	Stainless Steel	304
4	HEX BOLT	Stainless Steel	304
5	WASHER	Stainless Steel	304
6	COVER	Carbon Steel	St.37
7	SCREEN	Stainless Steel	304
8	BUFFER	Rubber	EPDM
9	GUIDE BARREL	Stainless Steel	304
10	NOZZLE SEAT	Rubber	EPDM
11	SEAT	Rubber	EPDM
12	O-RING	Rubber	NBR / EPDM
13	BONNET	Ductile Iron	EN GJS 500-7
14	PILLAR	Aluminium	Commercial
15	HEX BOLT SMALL	Stainless Steel	304
16	NOZZLE	Stainless Steel	304

All the components can be substituted with equivalent or higher-class materials.

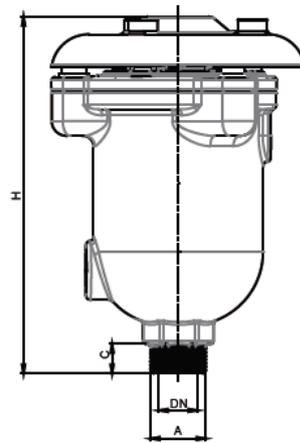
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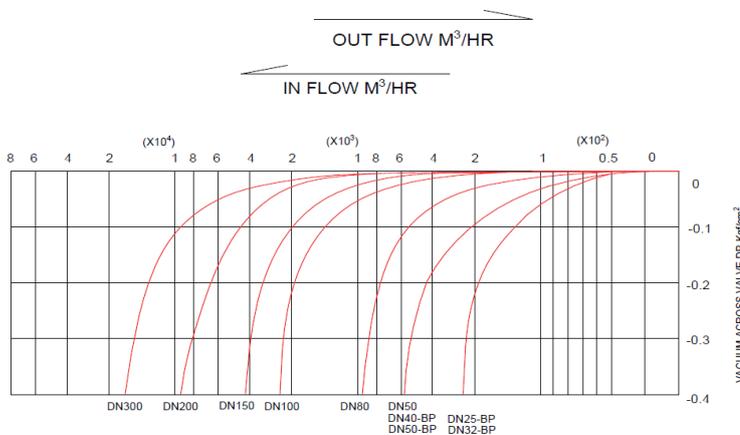
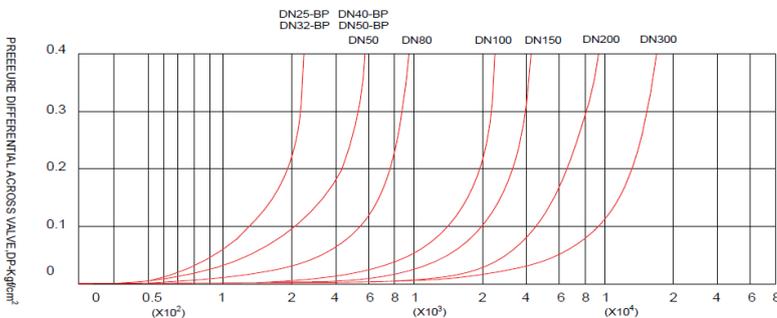
AIR RELIEF VALVE TRIPLE FUCTION THREADED END PN10/16/25 ref.500A / GAS / NPT

SPECIAL ADVANTAGED:

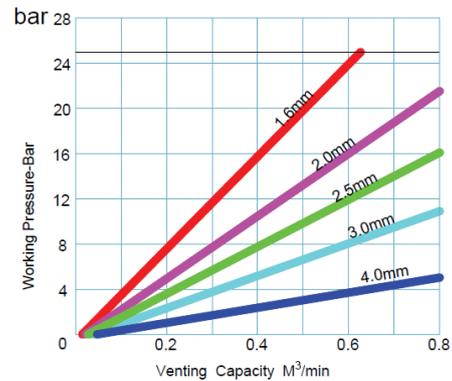
100% -full flow area through the valve internal.
The float can resist high pressure from 51-70Bar for different size air valve.
Blow shut pressure can come up to 2.0Bar. Generally, up to 0.5Bar is enough for operation.
All internal parts are 304SS material without rusting.
Full flow area- enough for air exhausting
Min. closing pressure can be 0.3Bar, and 0.2Bar can be provided upon request.



ND	ØA	C	H
25	1"	20	243
32	1/4"	20	243
40	1/2"	20	243
50	2"	20	243



Air release during working conditions

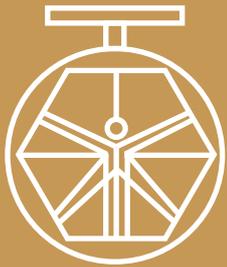


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