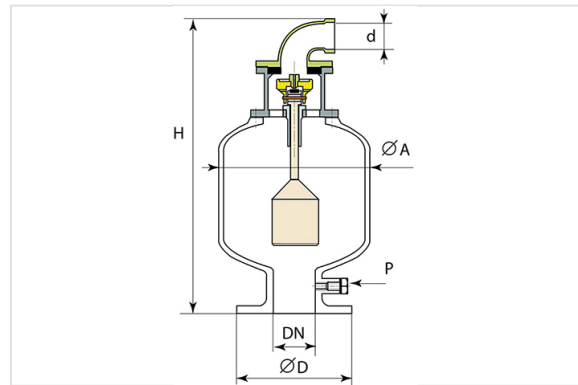


Triple function air valve high flow 430m³/h + low flow 5m³/h



The triple function high flow (430 m³/h) and low flow (5 m³/h) is available in DN80, DN100 & DN150.

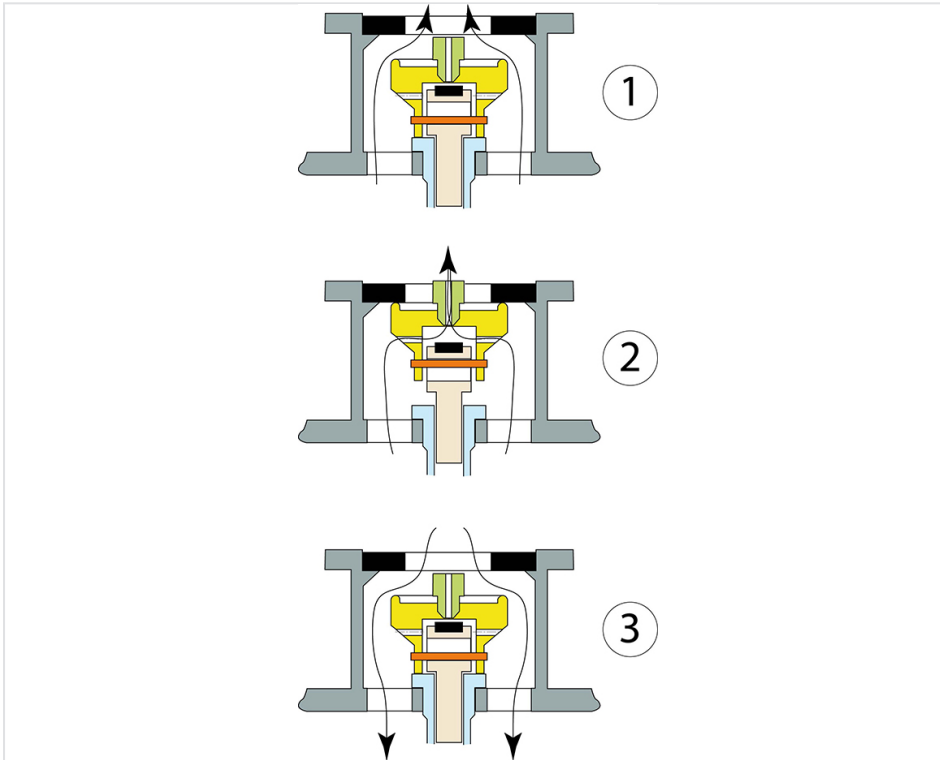
Maxi pressure 16 bar. Flange ISO NP10.

- Functions of the air valve :
 - 1- Air outlet with high flow : pipeline filling
 - 2- Air blowing-off in pressure : pipeline in normal service
 - 3-Air inlet with high flow : pipeline draining
- The air valve protects the pipeline by the air extraction in the pipelines high points.
- The valve body, in mechanically-welded steel, is protected by oven-baked epoxy-resin thickness 200 microns. The mobile clapper/float assembly is entirely made from plastic material, neutral to any corrosive aggression by the waste water.
- The use of sewage air valves is economic for the pipeline installation. By using air valves, the pipeline can follow the ground relief and avoid the cost of the necessary construction works to follow a regular pipeline profile.

DN (mm)	High flow (m3/h)	Low flow (m3/h)	A (mm)	H (mm)	D (mm)	d female (")	Mass (kg)	References
50/60/65	600	2.2	220	585	185	1	21.00	238030
80	940	2.2	274	685	200	1.5	28.00	161771
100	940	2.2	274	685	220	2	32.00	RCB10ERBF
150	2400	5	356	750	285	3	50.00	RCB15ERBF
200	2400	5	356	970	340	3	48.00	RCB20ERBF

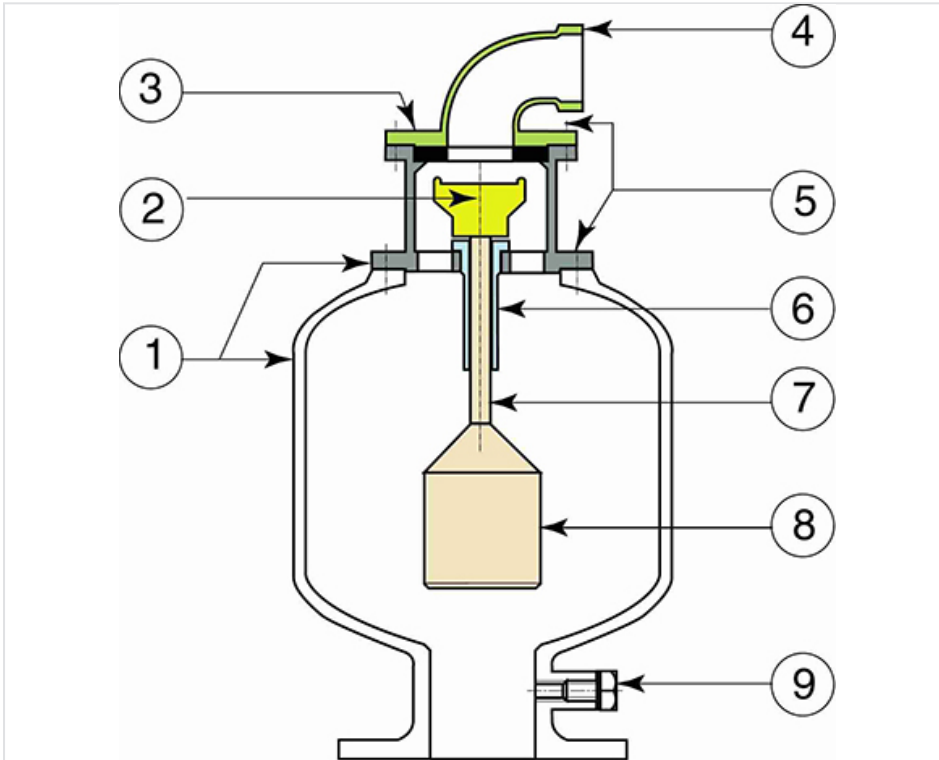
P=Nozzle ¾

Function



1. Pipeline filling - Air outlet with high flow
2. Gas elimination - During exploitation
3. Pipeline draining - Inlet with high flow

Material and coating



Item	Designation	Material	Coatings
1	Body	A40 steel	Epoxy 250 microns
2	Large opening flap	PVC	
3	Gasket	Polyurethane	
4	Outlet bend	Steel	Epoxy 250 microns
5	Bolts	Stainless steel	
6	Stem guide	PVC	
7	Ball floats stem	Polyethylene	
8	Ball floats	Polyethylene	
9	Draining plug	Zinc coated steel	

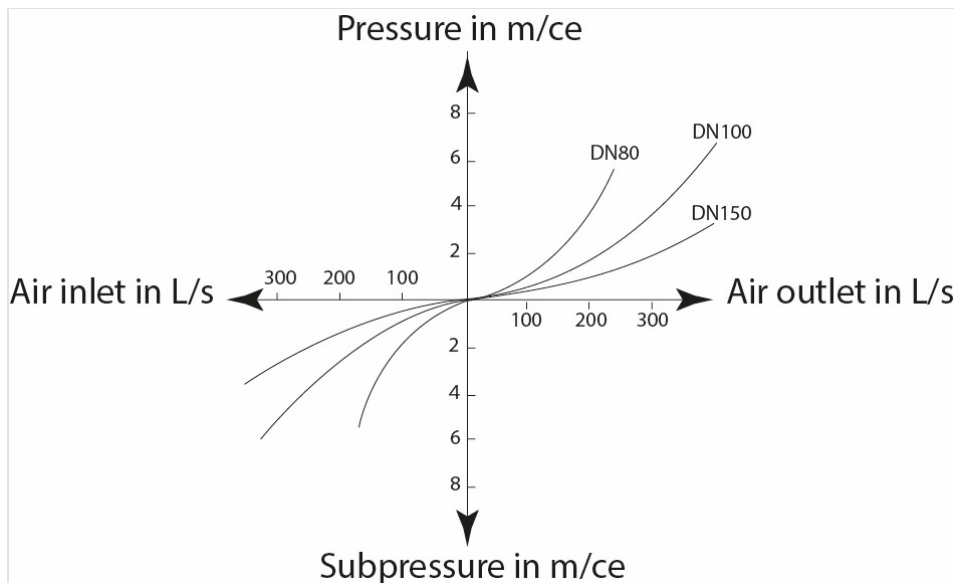
Check valve option

When the user doesn't want air entry, a check valve can be adapted on the air outlet (on request).


Security system by excessive flow option

During the pipeline filling and when the pumps stop, the security system limits the water hammer in limiting the air exit with high flow by an automatic valve. The adjustment of the valve activation id defined by the user in the order (on request)

Characteristic curve flow/pressure

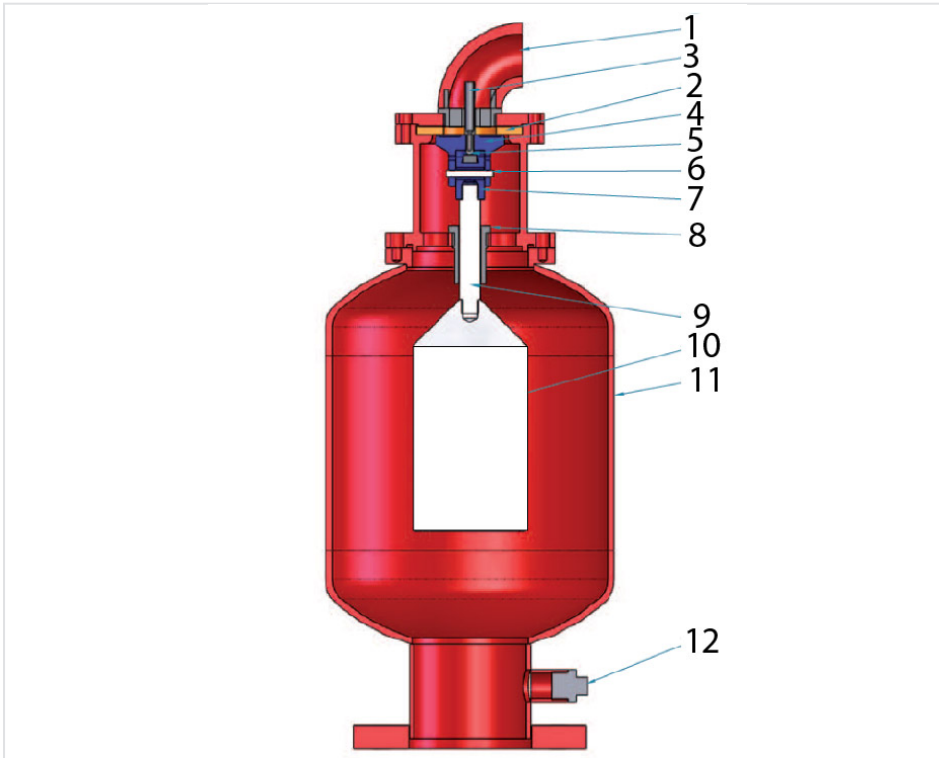


Marking

VENTOUSE ASSAINISSEMENT	
DOUBLE FONCTION GRAND + PETIT DEBIT	
430 et 5 m ³ /h	
DN	80
PFA	10
N°	<input type="text"/>
date	<input type="text"/>
CA08X9RA	
	

The label indicates the hydraulic characteristics and the manufacturing code

Installation, put into service, maintenance



- The manhole must be ventilated.
- The sewage air valve is installed in vertical position on a shut-off valve to operate on the air valve without disturbing the pipeline.
- Draining by a ¾ inch outlet.
- For the maintenance or the rinsing, the complete mobile set can be extracted by the dismantling superior part (no need to dismount the air valve).
- The nozzle can be connect in his superior part to a pipe.

The information on this sketch is, to the best of our knowledge correct at the time of printing. However Saint-Gobain are constantly looking at ways of improving their products and services therefore reserve the right to change without prior notice, any of the data shown. Any orders placed will be subject to our Standard Conditions of Sale, available on request.