KENNEDY VALVE

Single Chamber Tamper Proof-Quadruple Function Air Release Valve with Anti-Surge Protection

MC WANE MSPL

Kennedy **Series-151** Single Chamber-Quadruple Function Air Valve with compact, simple, robust and reliable design with triple orifice and anti-surge protection and fully corrosion-resistant parts offers solution for releasing and adding air to pipeline and protecting pipe line systems and improving efficiency with advanced aerodynamic design prevents the premature closing without disturbing air intake or discharges and self-actuated Anti-surge float will work when the air velocity reaches the supersonic limit and prevent the piping system from damages. Our air valves are made in ductile cast iron body with floats in Polypropylene.

General Specifications

Design & Test Standards:

EN 1074-1&4, EN 12266 -1&2 and compliance to IS 14845

Type:

Single Chamber Tamper Proof Air release valve with Anti-Surge protection

Model: Series-151

Sizes & Pressure Rating:

DN50, DN80, DN100, DN150 & DN 200

PN10 / PN16 / PN25

Flange Drilling:

EN 1092-2 and IS 1538 (optional)

Test Pressure:

Shell Test: 1.5 × PN

Seat Test: 1.1 × PN

Coating:

Fusion bonded non-toxic epoxy (**FBE**) with NSF 61approved coating with 300 µm applied to interior and exterior surfaces.

Options:

With Drain Plug

With Isolation valve

Product Features:-

- Single Chamber Air Valve with Compact, simple, robust and reliable design with fully corrosion-resistant parts.
- Built in Anti-Surge feature ensure smoother operation, preventing damage to the pipe and the system.
- Optimized design for dynamic sealing – Valve get sealing at low pressure conditions (0. bar) and minimizes the water spraying during air release function.
- Aerodynamic design prevents the premature closing without disturbing air intake or discharge.
- Maintenance free operation and more service life.
- Venting function:
  - Large orifice to intake high quantities of air during draining the pipeline
  - Large orifice to release high quantities of air during filling the pipeline
  - Large orifice to release air, in a controlled manner, when the approach velocity is greater than supersonic, thereby reduces the pulsation in the waterline – Anti Surge function.
  - Small orifice to release low quantities of air during operation under pressure

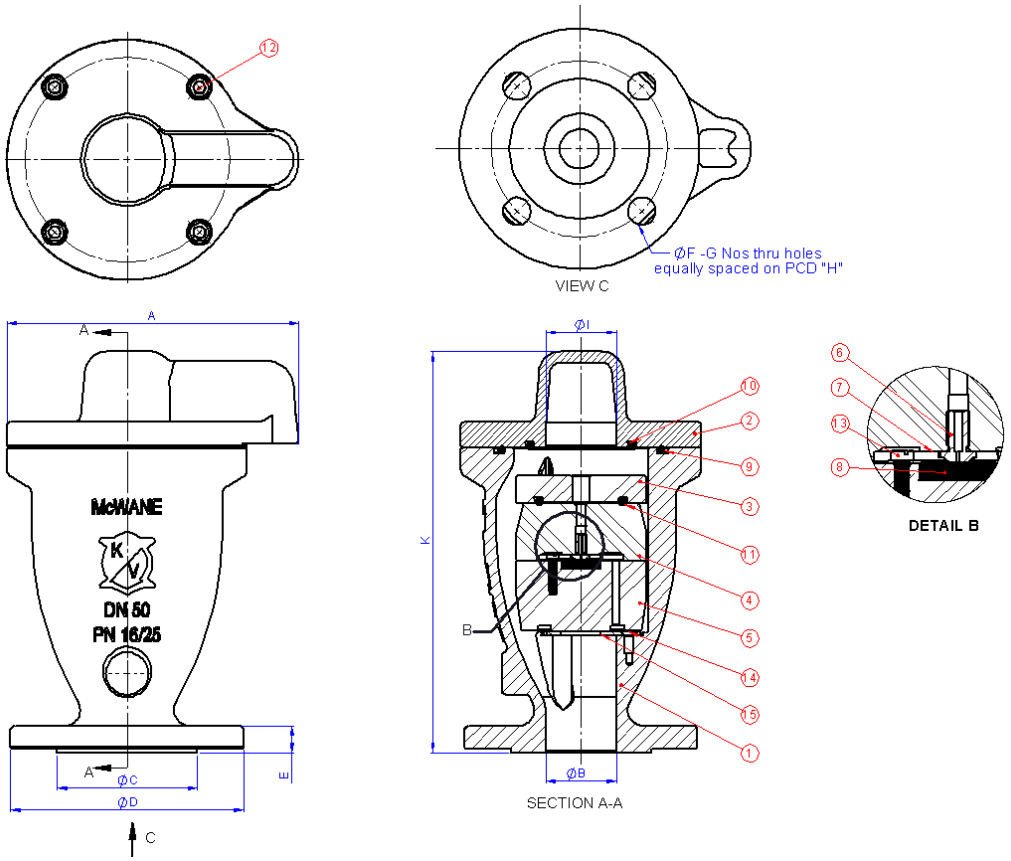
(Valves are not suitable for swage services)

Material Specification*:

Body, Top flange	Ductile iron EN1563 to ENGJS 500-7
O-Ring & Seal	EPDM
Baffle plate, Retainer plate, Capillary Nozzle & Vent cover	Stainless steel - SS316
Washer, Nut, Stud & Screws	Stainless steel A4-70 (SS316)
Anti-Surge float, Top float & Bottom float	Polypropylene

Components List:

1	Body	6	Capillary Nozzle	11	O-Ring
2	Top Flange (Tamper proof)	7	Retainer Plate	12	SHCS
3	Anti-Surge Float	8	Seal	13	CH Screw
4	Top Float	9	O-Ring	14	CSK Screw
5	Bottom Float	10	O-Ring	15	Baffle plate



Dimensions:

SIZE	A	ØB	ØC	ØD	E	ØF	G	H PCD	ØI	K	WT (Kgs)
DN 50	206	50	99	165	19	19	4	125	50	284	12.5
DN80	270	80	132	200	19	19	8	160	80	347	21
DN100	332	100	156	220	21	19	8	180	100	418	33
DN150	385	150	211	285	21	23	8	240	150	499	57
DN200	430	200	266	340	21	23	12	295	185	513	72

(*-EPDM Rubber and PP are available with NSF 61 Approval and suitable for Potable water. Please check with us for other material combinations)