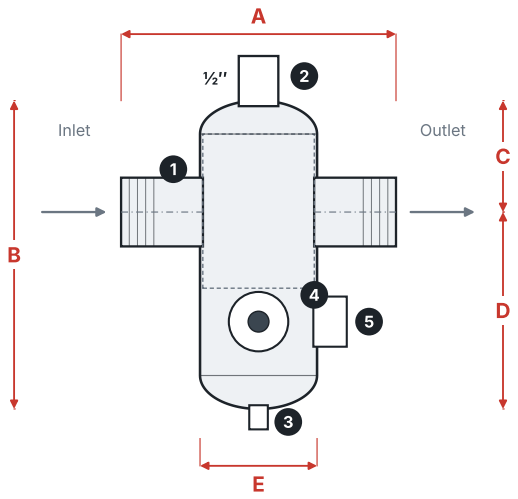
SUBMITTAL DATA

AIR100P

Air and dirt separator with dirt magnet

JOB NAME	JOB LOCATION	ENGINEER
MECHANICAL CONTRACTOR	CONTRACTOR'S P.O. NO.	REPRESENTATIVE
TAG NO.	QUANTITY	APPROVAL

DIMENSIONS



APPLICATION

The AIR100P removes entrained air, micro-bubbles, dirt and ferrous particles from closed heating and cooling systems. Water slows down in the body and passes through the coalescing medium; bubbles merge and rise to the automatic vent, dirt settles to the drain, and magnetite is held on the dirt magnet.

DIMENSIONS, MM / IN

	A	B	C	D	E
mm	148	166	60	106	63
in	5.8	6.5	2.4	4.2	2.5

A Width across the connection faces · **B** Overall height of the vessel · **C** Top of vessel to connection centerline · **D** Connection centerline to bottom of vessel · **E** Vessel outside diameter. Heights exclude the air vent, drain valve and fittings.

CONNECTIONS

#	Port	Size and type
1	Inlet and outlet connections (2)	G1¼″ union with 1″ press, sweat or FNPT tail
2	Air vent port	½″ FNPT
3	Drain	½″ GF
4	Dirt magnet port	dry well with removable rod
5	Fill port, on the side (expansion tank or system fill)	½″ GF

TECHNICAL DATA

Flow at 4 ft/s	13 gpm (2.9 m³/h)
Pressure drop at 4 ft/s	0.49 ft
Max. operating pressure	150 psi (10 bar)
Operating temperature	32–210 °F (0–99 °C)
Fluids	Water, up to 50 % glycol
Body and internals	304 stainless steel

Coalescing element	Ø16 mm stainless Pall rings between mesh screens
Dirt magnet	M50 neodymium rod, 12,000 gauss, in dry well
Weight	2.8 lb (1.3 kg)
Water volume	approx. 0.1 US gal
Warranty	2 years

TYPICAL SPECIFICATION

Furnish and install a Rhella AIR100P air and dirt separator, or approved equal, selected for 13 gpm (4 ft/s connection velocity). The separator shall remove entrained air, micro-bubbles, dirt and ferrous particles in one vessel. The vessel shall be 304 stainless steel with G1¼″ union with 1″ press, sweat or FNPT tail inlet and outlet connections, internal Ø16 mm 304 stainless steel Pall rings filling the body between stainless steel mesh screens acting as coalescing medium, an automatic air vent at the top, a ½″ fill port on the side for the expansion tank and system fill, a drain at the bottom, and a removable 12,000 gauss neodymium rod magnet in a dry well. Maximum working pressure 150 psi; working temperature 32–210 °F; suitable for water and glycol solutions up to 50 %.