DIRTMAG® magnetic dirt separator



5465M Steel series

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Application

Typical Specification

Furnish and install on the plans and described herein, a Caleffi DIRTMAG magnetic dirt separator as manufactured by Caleffi. Each separator must be designed with a blowdown drain port. The separator design must include a large internal volume, and a stainless steel and HDPE internal element to automatically remove all dirt present in the system with particle separating capacity to 5 μm (0.2 mil), and a stack of neodymium rare-earth magnets inside a brass dry-well, removable for purging, with up to 100% ferrous impurities, including magnetite, separation efficiency. (See product instructions for specific installation information.)

Technical Data

Materials

Body: epoxy resin painted steel Internal element: stainless steel and HDPE Hydraulic seal: non-asbestos fiber Drain valve: brass Magnet: neodymium rare-earth Magnet probe dry-well: brass

Performance

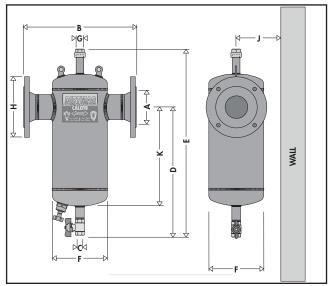
Suitable Fluids: water, glycol solution
Max. percentage of glycol: 50%
Max. working pressure: 150 psi (10 bar)
Temperature range (vessel): 32 - 270°F (0–132°C)
Particle separation capacity: to 5 µm (0.2 mil)
Ferrous impurities separation efficiency: up to 100% removal
Connections:

flanged: 2" - 4" ANSI B16.5 150 CLASS RF top: 3/4" M (with cap) drain valve: 1" NPT

Vessel Volume

Size	2"	2 ½"	3"	4"
Capacity (gal)	1.8	1.8	4.8	4.8

Dimensions



Code	Α	В	С	D	E
546550AM	2"	13 ¾"	1"	16 5/16"	23 7/8"
546560AM	2 ½"	13 ¾"	1"	16 5/16"	23 7/8"
546580AM	3"	18 3/8"	1"	20 11/16"	30 5/8"
546510AM	4"	18 3/8"	1"	20 11/16"	30 5/8"

Code	F	G	Н	J*	К	Wt (lb)
546550AM	6 5/8"	3/4"	6"	6 5/16"	12"	41
546560AM	6 5/8"	3/4"	7"	6 5/16"	12"	41
546580AM	8 5/8"	3/4"	7 ½"	7 5/16"	13 3/8"	58
546510AM	8 5/8"	3/4"	9"	7 5/16"	13 3/8"	58

*Allows for a minimum of 3" wall clearance to accommodate insulation if used.

	FLOW RATE at 4 ft/sec				
Size	2"	2½"	3"	4"	
GPM	37	63	95	149	
Cv	88	176	211	328	

We reserve the right to change our products and their relevant technical data	contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system.
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Job name	Size	
Job location	Quantity	
Engineer	Approval	
Mechanical contractor	Service	
Contractor's P.O. No.	Tag No	
Representative	Notes	