

5462

tech brochure 01137

DIRTCAL

Dirt separator. Brass body.
 1/2" NPT top thread.
 NPT connections.
 Max. working pressure: 150 psi.
 Working temperature range: 250°F.



Code	Description	Pk	Lbs
546205A	3/4" NPT	1	3.8
546206A	1" NPT	1	3.8
546207A	1-1/4" NPT	1	4.9
546208A	1-1/2" NPT	1	4.9

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DIRTCAL

Dirt separator. Brass body.
 1/2" NPT top thread.
 Sweat connections.
 Max. working pressure: 150 psi.
 Working temperature range: 250°F.



Code	Description	Pk	Lbs
546228A	1" sweat	1	3.8
546235A	1-1/4" sweat	1	3.8

Low head losses and performance maintained over time

The separating action performed by the dirt separator is based on using the internal element with concentric surfaces in place of the ordinary filter. The element, by its nature, offers little resistance to the flow of medium while ensuring separation.

This occurs due to the particles colliding with the concentric surfaces and then settling, and not by filtration; an action by which the filter, over time, gets progressively clogged by the sludge it removes. All this is to the benefit of performance; that is the high capacity to separate impurities and the low head losses that remain unaltered over time.

	L	T	
Size	3/4"	1"	1 1/4"
Flow in GPM	6.0	9.3	2
C	18.8	32.6	73.30

Geometric structure and large dirt collection chamber

The geometrical structure of DIRTCAL means that inside it the velocity is reduced to help separate the particles of impurities. The dirt collection chamber has the following features:

- It is located at the bottom of the device at such a distance from the connections that the collected impurities are not affected by the swirl of the flow through the screen.
- It has enough capacity to increase the amount of sludge stored and therefore decreases the frequency of emptying/discharging it - on the contrary to filters that need to be frequently cleaned.
- It is easy to inspect by unscrewing it from the main body for servicing the internal element in the event of an obstruction from large debris.



Particle separation capacity - Dirt separator efficiency

