New

Cyclone Separator

3" & 4"

Automat has developed the new 3” & 4” Cyclone Separator, a novel sand separation device that leverages the combined efficiency of hydro-cyclone and sand separation mechanisms. The fully polymeric construction provides exceptional resistance to corrosion and wear, ensuring reliable and effective removal of sand impurities.



HIGHLIGHTS

- **Separation Efficiency:** Delivers up to 90% efficiency in removing sand particles of 75 microns (200 mesh) and above.
- **Polymeric Construction:** The separator has a maximum operating pressure rating of 10 bar and is backed by a lifetime warranty against corrosion.
- **Purging Options:** Available with both automatic and manual purge systems. The auto- purge option comes with an advanced Automat Bluetooth Smart Purge Controller.
- **Flexible Installation:** Can be installed in both vertical and inclined configurations to suit various applications and physical spaces.

APPLICATIONS

- Agriculture Irrigation, Industrial & municipal well water protection.

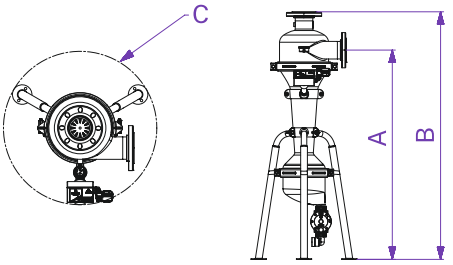


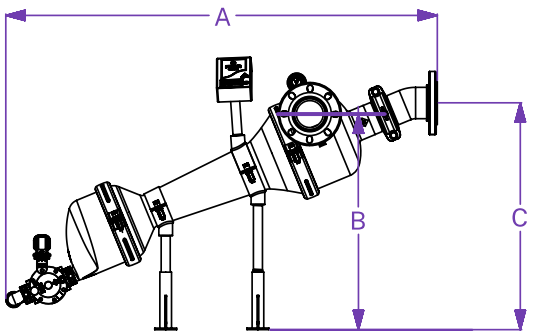
Technical Data

Filter Model		AQ - 546	AQ - 548
Inlet /Outlet Connection		3"/80mm	4"/100mm
Connection Type		Threaded (BSP/NPT) / Grooved / Flanged	
Recommended Range Of Flow	M^3/HR	35-50	60 - 90
	GPM	154-220	260-400
Max. working Pressure.	BAR	10	
	PSI	145	
Min. working Pressure.	BAR	1.5	
	PSI	22	
Material of Construction		All Polymeric	
Clamping		St. St. Clamp	
Flush Port		1½" – Male Threaded Port (with Flush valve)	

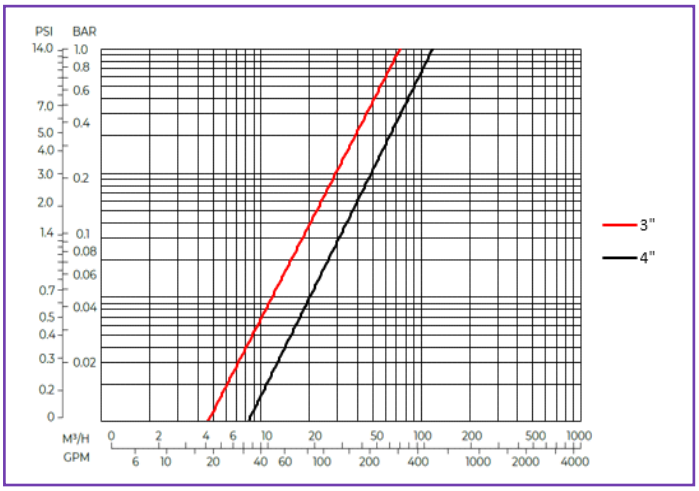
Dimensions

Configuration	Unit	A (3"/4")	B (3"/4")	C (3"/4")	Tank Capacity
Angular (Auto-flush)	CM	163/169	79/83	83	11 L / 3 GAL
	INCH	64/67	30/33	33	
Angular (Manual-flush)	CM	158/163	79/83	83	
	INCH	62/64	30/33	33	
Vertical (Auto-flush)	CM	158/162	135/137	64	
	INCH	62/64	53/54	25	
Vertical (Manual-flush)	CM	158/162	135/137	64	
	INCH	62/64	53/54	25	

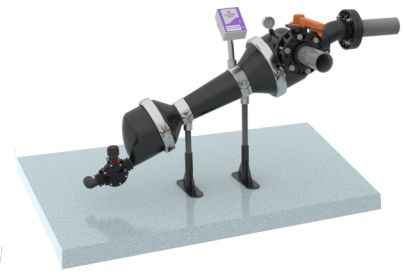




Head Loss Chart



Note : Recommended range of flow rate
3" - 35 - 50 m^3/hr / (154 - 220 gpm)
4" - 60 - 90 m^3/hr / (260 - 400 gpm)



Angular Installation



Vertical Installation

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