



JAIN SPIN CLEAN FILTERS - 40MM & 50MM

AG Products Spin Clean® filters are unique in that incoming dirty water is forced through a directional nozzle plate onto the inside of the stainless steel screen. This creates a centrifugal action which rotates debris down the screen wall to the large debris holding basin. Debris is flushed out via a ball valve or unscrewing cap. A spinning action keeps more of the screen area clean, minimizing pressure losses due to excessive dirt build-up.

Features

- 40mm and 50mm inlet/outlet
- Two piece threaded housing with O ring seal for easy maintenance
- Moulded from high heat and chemical resistant ABS Plastic
- Ball Valve for flushing debris
- Strong, stainless steel filter screens available in mesh sizes of 50, 100, 150 and 200 (please specify when ordering)
- Removable flushing cap

Applications

- High quality screen filter for agriculture and landscape irrigation systems

Specifications

| | |
|--|----------------------|
| Max Recommended Operating Pressure: | 689kPa |
| 40mm Maximum Flow Rate: | 207lpm |
| 50mm Maximum Flow Rate: | 434lpm |
| 40mm Maximum size cleaning efficiency: | 189lpm |
| 50mm Maximum size cleaning efficiency: | 378lpm |
| 40mm Screen area: | 392.3cm ² |
| 50mm Screen area: | 392.3cm ² |

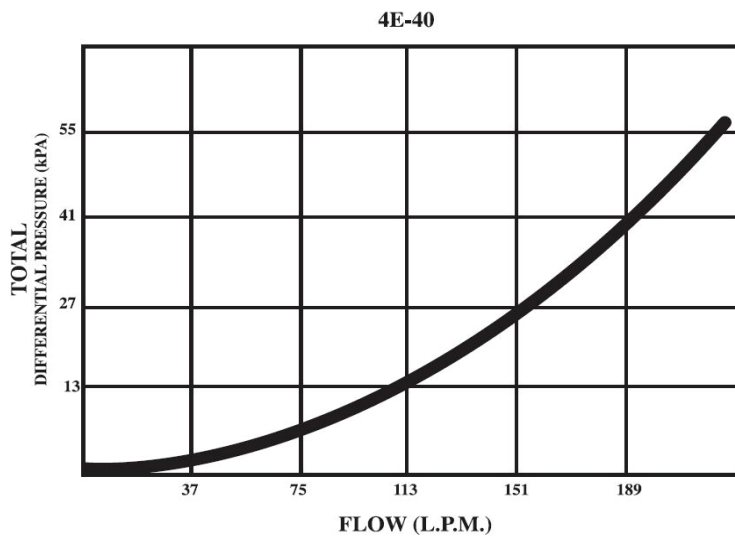


| Part No. | Description |
|---|--|
| 40mm Spin Clean Filters - with Flushing outlet valve | |
| 4E40-50 | 40mm x 50 mesh screen |
| 4E40-100 | 40mm x 100 mesh screen |
| 4E40-150 | 40mm x 150 mesh screen |
| 40mm Spin Clean Filters - Spare Parts | |
| 50SC-50 | Screen Only 50 mesh (Yellow) |
| 50SC-100 | Screen Only 100 mesh (Blue) |
| 50SC-150 | Screen Only 150 mesh (Black) |
| 50SC-200 | Screen Only 200 mesh (Red) |
| 4E40-B | 40mm Spin Clean Filter Body Only |
| 4E40-ORING | 40/50mm Spin Clean Filter - Body ORing |
| 4E40-SP | 40mm Spin Clean Filter - Spin Plate |
| 4E40CC | 40/50mm Collection Cell |
| FOV | Flushing Outlet Valve |

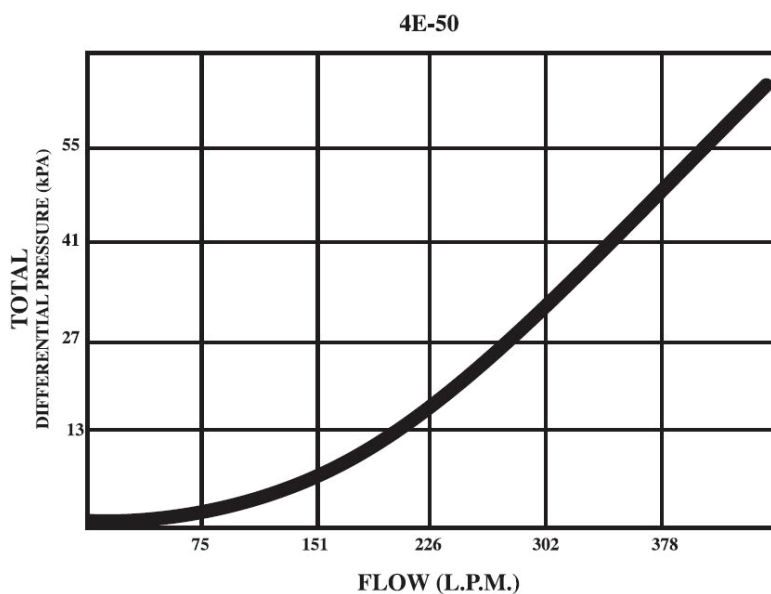
| Part No. | Description |
|---|--|
| 50mm Spin Clean Filters - with Flushing outlet valve | |
| 4E50-50 | 50mm x 50 mesh screen |
| 4E50-100 | 50mm x 100 mesh screen |
| 4E50-150 | 50mm x 150 mesh screen |
| 50mm Spin Clean Filters - Spare Parts | |
| 50SC-50 | Screen Only 50 mesh (Yellow) |
| 50SC-100 | Screen Only 100 mesh (Blue) |
| 50SC-150 | Screen Only 150 mesh (Black) |
| 50SC-200 | Screen Only 200 mesh (Red) |
| 4E50-B | 50mm Spin Clean Filter Body Only |
| 4E50-ORING | 40/50mm Spin Clean Filter - Body ORing |
| 4E50-SP | 50mm Spin Clean Filter - Spin Plate |
| 4E50CC | 40/50mm Collection Cell |
| FOV | Flushing Outlet Valve |

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FLOW CHARACTERISTICS







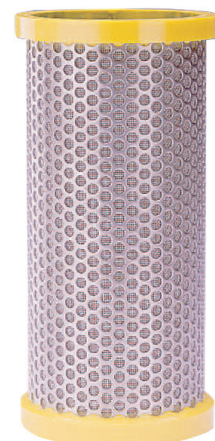
40mm Filter



50mm Filter

FILTER SCREEN MESH/ MICRON CONVERSIONS

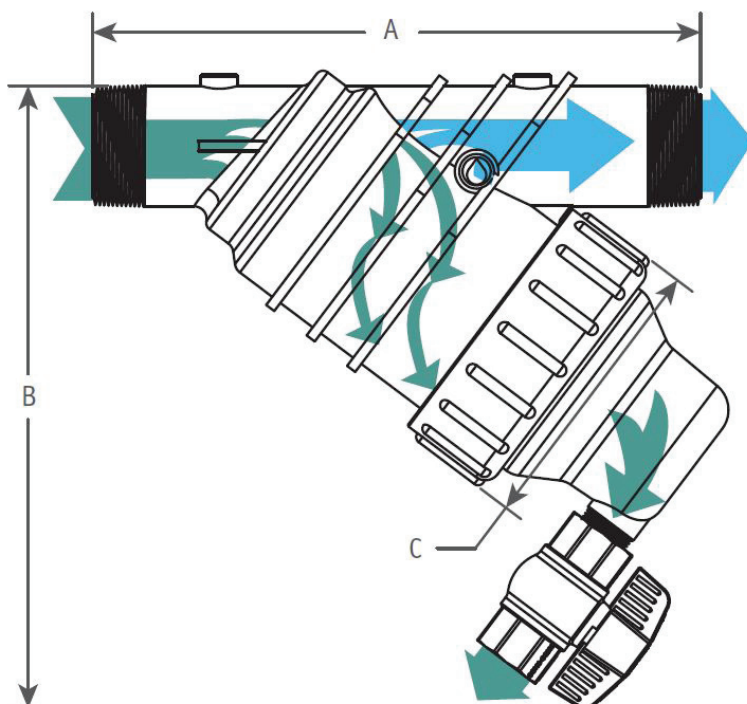
| Filter Screen Mesh / Micron Conversions | | | | |
|---|---|---|---|---|
| Mesh | 50 | 100 | 150 | 200 |
| Inch | .012 | .006 | .004 | .003 |
| Micron | 300 | 152 | 100 | 80 |
| Colour | Yellow | Blue | Black | Red |
| |  |  |  |  |





JAIN SPIN CLEAN FILTERS - 40MM & 50MM

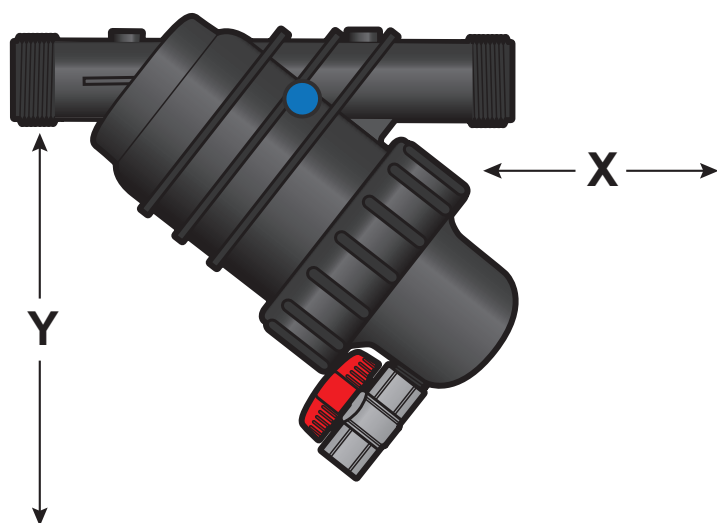
FILTER DIMENSIONS



Physical Dimensions

| | A | B | C |
|------|------|------|----|
| Size | cm | cm | cm |
| 40mm | 30.5 | 30.5 | 14 |
| 50mm | 30.5 | 30.5 | 14 |

MINIMUM CLEARANCE



| Size | X | Y |
|-----------|-------|-------|
| 4E - 40mm | 100mm | 300mm |
| 4E - 50mm | 100mm | 300mm |

JAIN SPIN CLEAN FILTERS - MAINTENANCE

Care should be taken to keep the operating pressure differential across the filter between 34kPa - 55kPa. Pressure reading should be monitored sufficiently to detect any build up of pressure differential during normal operation, which indicates the start of filter screen plugging. When this occurs, the system should be shut down, the filter drained and disassembled. The screen element should be washed thoroughly using a high pressure spray washer, spraying from outside in.

Several steps can be taken to extend the maintenance interval:

- 1.** Start with a thoroughly clean screen element. Rinsing with garden hose pressure is not as good as using a pressure washer.
- 2.** Make sure the filter never runs with less than a 34kPa differential.
- 3.** Change spin plates to boost operating differential to 55kPa if not already achieved, to further increase cleaning action.
- 4.** Increase flush flow rate for continuous flushing filters.
- 5.** Pre-screen heavy organic/aquatic loads with a coarse screen filter at the pump inlet for surface water installations.
- 6.** Open flush valve fully on start-up to prevent sudden loading from a surge of contaminants.