

Pressure Filters & Screens



AQUA AURA
Leading Technologies



Description:

The automatic self-cleaning filter for filtration of high flow rate with continuous filtration process.

- Multi-cartridge solution
- Multi-layers screens with several filtration degrees
- No interruption flow during the cleaning cycle
- Minimum cleaning water consumption
- Very reliable and efficient cleaning mechanism with suction scanner
- Easy to change cartridges or filtration degree

Alfa Water AGT filters are automatic filters with suction scanning self-cleaning mechanism, driven by electric motors, suitable for high flow rates.

Thanks to flexible mechanism of scanner, ensuring adherence to the screen, this filter has high cleaning efficiency.

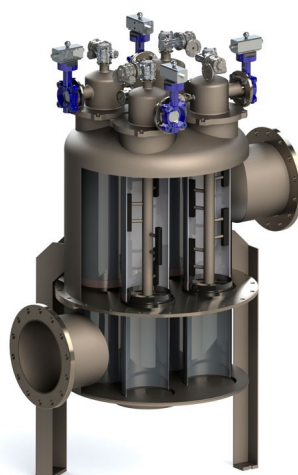
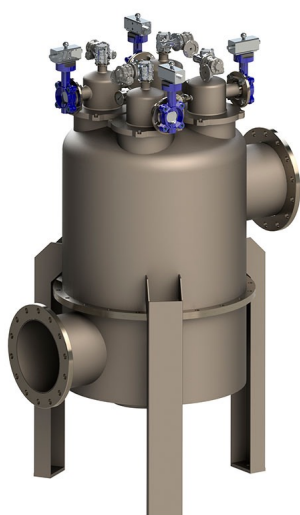
They have different angles configuration for installation (In-Out axis: 0°, 90°, 180° and 270°).

AGT filters can support flow rates of up to 1600 m³/h (7044 US gpm) with five sizes of screens up to 22000 cm², with several multi-layers screens covering the range of filtration degree between 1000 and 25 µm and with different range of inlet/outlet flanged connections between 10" and 20".

Available 2 controllers:

- AWC Basic controller (differential pressure and/or preset time and/or manual start, IP54, 4DI, 4AI/DI, 4DO, LCD Display 1.5")
- AWC Full controller (as AWC Basic but it can be integrated into existing systems, no need monitoring, IP54, 4DI, 4AI/DI, 4PowerDO + 3DO, LCD Display 3.5")

Images:



TECHNICAL DATA - DATI TECNICI

Filter size - Taglia filtro	165	220
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General data - Dati generali

Inlet/outlet diameter Diametro connessioni IN/OUT	10" / 12" / 14" flanged EN 1092-1	12" / 16" / 20" flanged EN 1092-1
Max flow rate Portata massima	1200 m³/h 5283 US gpm	1600 m³/h 7044 US gpm
Min working pressure Pressione minima	2.5 bar 36.25 psi	
Max working pressure Pressione massima	10 bar 145 psi	
Max working temperature Temperatura massima	80 °C 176 °F	

Screen elements - Elementi filtranti

Screen Area Area filtrante	16500 cm² 2558 in²	22000 cm² 3410 in²
Filtration degrees Gradi di filtrazione	2000 / 1000 / 800 / 500 / 400 / 200 / 100 / 50 / 25 µm	
Screen types Tipologia elementi filtranti	Multi-layers screens: SS AISI 316 or SS AISI316 + PETP (Polyester) Reti multistrato: Acciaio inox AISI 316 oppure Inox AISI316 + Poliestere PETP	

Cleaning Cycle - Ciclo di pulizia

Cleaning cycle time Durata ciclo di pulizia	48 - 60 sec	64 - 80 sec
Min cleaning flow rate (at 2.5 bar) Portata minima di pulizia	15 m³/h 40 US gpm	15 m³/h 66 US gpm
Rinse water discharged (16 sec) Acqua di pulizia scaricata	210 L	280 L
Drain valve Valvola di scarico	3 x 3" flanged EN 1092-1	4 x 3" flanged EN 1092-1
Cleaning criteria Avvio ciclo di pulizia	Differential pressure (0.6 bar), time intervals and manual operation Pressione differenziale (0.6 bar), intervalli di tempo, manualmente	

Electrical data - Dati elettrici

Supply voltage Tensione di alimentazione	230 Vac 1-phase 50/60 Hz Optional: 400 Vac 3-phases 50/60 Hz	
Control voltage Votaggio di comando	24 Vdc	
Electric motor power Potenza elettrica motore	3 x 75 W	4 x 75 W

AGT Filters

Materials - Materiali

Filter Body Corpo filtro	AISI 304 / AISI 316 / DUPLEX / 254 SMO
Cover Coperchio	AISI 304 / AISI 316 / DUPLEX / 254 SMO
Screen support Supporto rete	AISI 316 / DUPLEX / 254 SMO / TITANIUM
Gasket Guarnizioni	EPDM

Head loss - Perdite di carico

