

AZUD GRAVITY

separator



Hydraulic centrifugal particle separators, designed for the efficient removal of sand, silt, and suspended solids.

Ideal for protecting filtration systems and extending the service life of components.



Technical characteristics

- **Filtration technology:** Centrifugal separation
- **Unloading system:** Manual or Automatic
- **Number of separators:** 1 - 8 separators
- **Nominal pressure:** PN10
- **Material:** Polymeric

Unique selling points



Durability

High resistance to aggressive environments such as seawater, wastewater and chemicals Design with no moving parts for a very long lifetime with no maintenance



Efficiency

Integrated accelerator tube that increases water velocity, improving the percentage of separated particles

Internal deflector that acts as an effective barrier to prevent mixing between separated solids and the clean-water flow



Versatility

Modular and compact design that makes it easy to adapt the system to the required flow rate, with a very low footprint

Product range

Model	No. of separators	Connection diameter	Manifold diameter E/S	Type of connection	Flow range	Manifold drain diameter
					m³/h	
Individual particles separators	1	3/4"	-	BSP	3 - 5	1"
	1	1"	-	BSP	4 - 9	1"
	1	1 1/2"	-	BSP	8 - 17	1"
	1	2"	-	BSP	15 - 25	1"
Particles separator equipment	2	2"	3"	DIN/ANSI	30 - 50	2"
	2	2"	4"	DIN/ANSI	30 - 50	2"
	3	2"	4"	DIN/ANSI	45 - 75	2"
	4	2"	6"	DIN/ANSI	60 - 100	2"
	5	2"	6"	DIN/ANSI	75 - 125	2"
	6	2"	6"	DIN/ANSI	90 - 150	2"
	7	2"	8"	DIN/ANSI	105 - 175	2"
	8	2"	8"	DIN/ANSI	120 - 200	2"

Options: Without automatic Discharge kit (Includes manual ball valve) / With automatic Discharge kit 220 V AC, 110 V AC or 12 V DC LATCH

Unit particle separators include particle accumulator tank

Maximum working pressure: 10 bar / 145 psi

Minimum working pressure: 1.5 bar / 21.7 psi

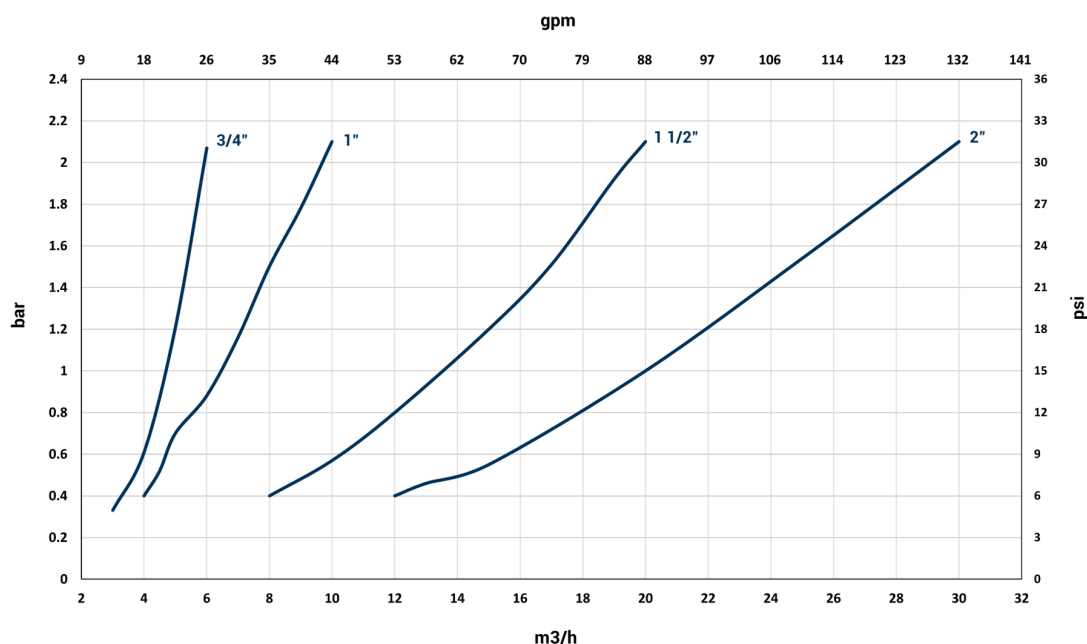
Recommended pressure drop for optimal performance: 0.5 - 2 bar / 7.25 - 29 psi

Automatic discharge kit

Discharge kit	109T	109T	209T
Power supply	220 V AC	110 V AC	12 V DC LATCH
Frequency	50/60 Hz	50 /60 Hz	-
Operating voltage	24 V AC solenoid valves	24 V AC solenoid valves	12 V DC LATCH solenoid valves
Solenoid	3-way NC. Hydraulic control.	3-way NC. Hydraulic control.	3-way NC. Hydraulic control.
Self-cleaning activation	By time and manual	By time and manual	By time and manual
Language	English	English	English

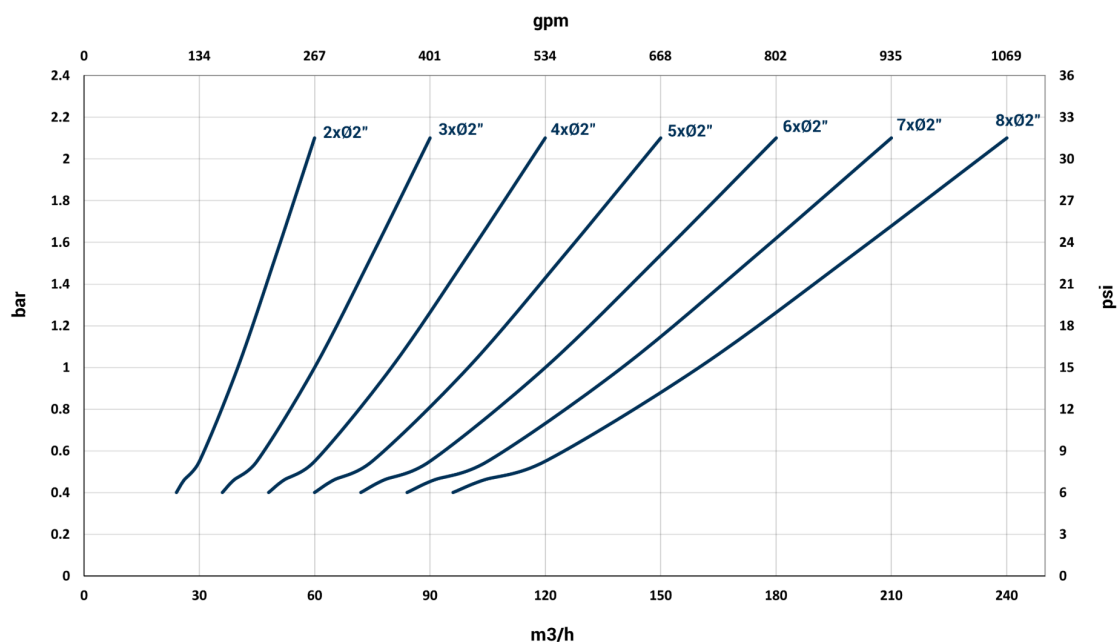
*Includes Ø2" 2-way hydraulic valve and the necessary connection elements.

Pressure loss (Δh) vs Flow rate (Q) - Unitary



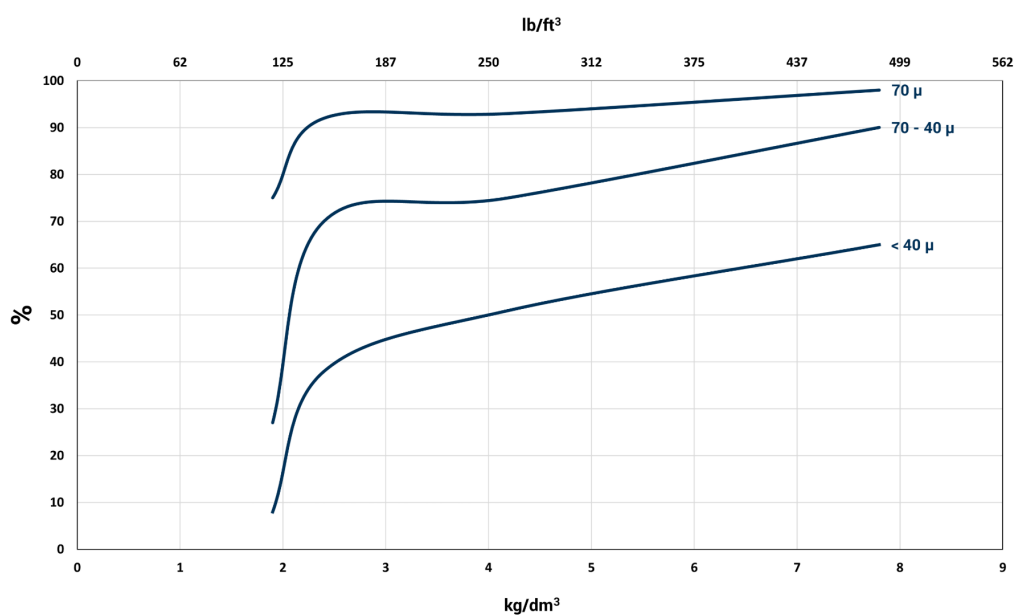
*Results obtained under normal operating conditions with constant flow. Pressure range: 1.5 - 10 bar. Particle size: 70 - 40 µm

Pressure loss (Δh) vs Flow rate (Q) - Equipment



*Results obtained under normal operating conditions with constant flow. Pressure range: 1.5 - 10 bar. Particle size: 70 - 40 μ m

Separation efficiency (%) vs Particle size (kg/db^3 - lb/ft^3)



*Results obtained under normal operating conditions with constant flow. Pressure range: 1.5 - 10 bar

Construction Materials

Model	Particles separator equipment	Individual particles separators
Separator body	High-density polyethylene PE-100	High-density polyethylene PE-100
Separator connection	-	Brass
Manifold flange connection	Aluminum	-
Manifold body	High-density polyethylene PE-100	-

Related products



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200



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