

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

1 - 8 separators

Option: With automatic discharge kit

Material: Polymer

PN10



Product range

Model	No. of separators	Connection diameter	Manifold diameter	Type of manifold connection	Flow range	Manifold drain diameter
					m ³ /h	
Unit particle 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"
Particle 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

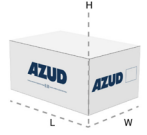
Automatic discharge kit

Discharge kit	109T	109T.	209T
Power supply	220 V AC	110 V AC	12 V DC LATCH (Batteries 4 x 1.5 V Type D)
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.

Construction Materials

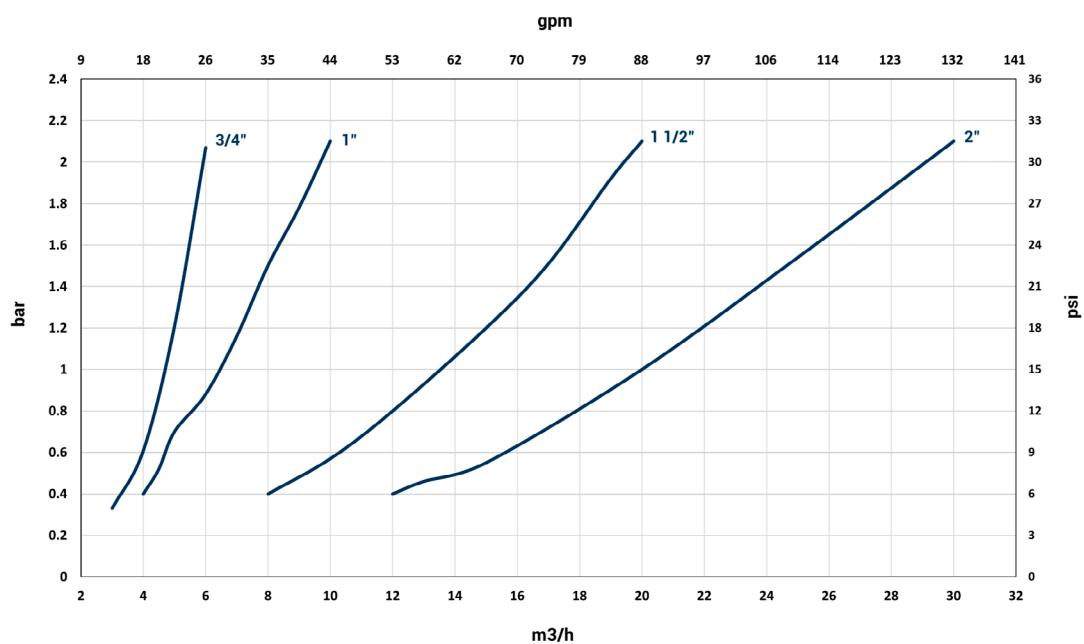
Model	Unit particle separators	Particle separator equipment
Separator body	High-density polyethylene PE-100	High-density polyethylene PE-100
Separator connection	Brass	
Manifold flange connection	Aluminum	
Manifold body	High-density polyethylene PE-100	



Logistics data

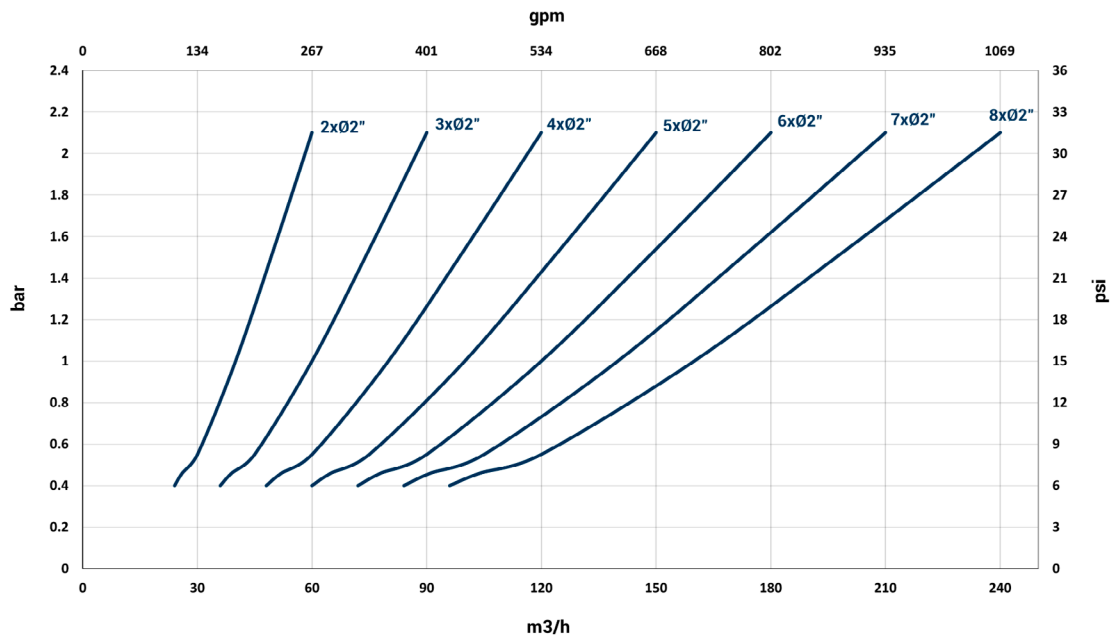
Model	No. of separators	Connection diameter	Manifold diameter	Discharge kit	Length	Width	High	Volume	Gross weight
					m	m	m	m ³	kg
Unit particle separators	1	3/4"		Without kit	0,96	0,37	0,25	0,09	8
	1	1"		Without kit	0,96	0,37	0,25	0,09	8,5
	1	1 1/2"		Without kit	1,22	0,37	0,26	0,12	12
	1	2"		Without kit	1,22	0,37	0,26	0,12	13
Particle separator equipment	2	2"	3"	Without kit	0,85	0,85	0,9	0,65	80
	2	2"	3"	With kit	0,85	0,85	0,9	0,65	92
	2	2"	4"	Without kit	0,85	0,85	0,9	0,65	80
	2	2"	4"	With kit	0,85	0,85	0,9	0,65	92
	3	2"	4"	Without kit	1,48	1,03	1,73	2,63	110
	3	2"	4"	With kit	1,48	1,03	1,73	2,63	122
	4	2"	6"	Without kit	1,48	1,03	1,73	2,63	130
	4	2"	6"	With kit	1,48	1,03	1,73	2,63	142
	5	2"	6"	Without kit	2,03	1,03	1,73	3,61	175
	5	2"	6"	With kit	2,03	1,03	1,73	3,61	187
	6	2"	6"	Without kit	2,03	1,03	1,73	3,61	195
	6	2"	6"	With kit	2,03	1,03	1,73	3,61	207
	7	2"	8"	Without kit	2,45	1,03	1,83	4,61	260
	7	2"	8"	With kit	2,45	1,03	1,83	4,61	272
	8	2"	8"	Without kit	2,45	1,03	1,83	4,61	227
	8	2"	8"	With kit	2,45	1,03	1,83	4,61	280
Discharge kit					0,66	0,43	0,35	0,1	14

Pressure loss (Δh) vs Flow rate (Q) - Units separator



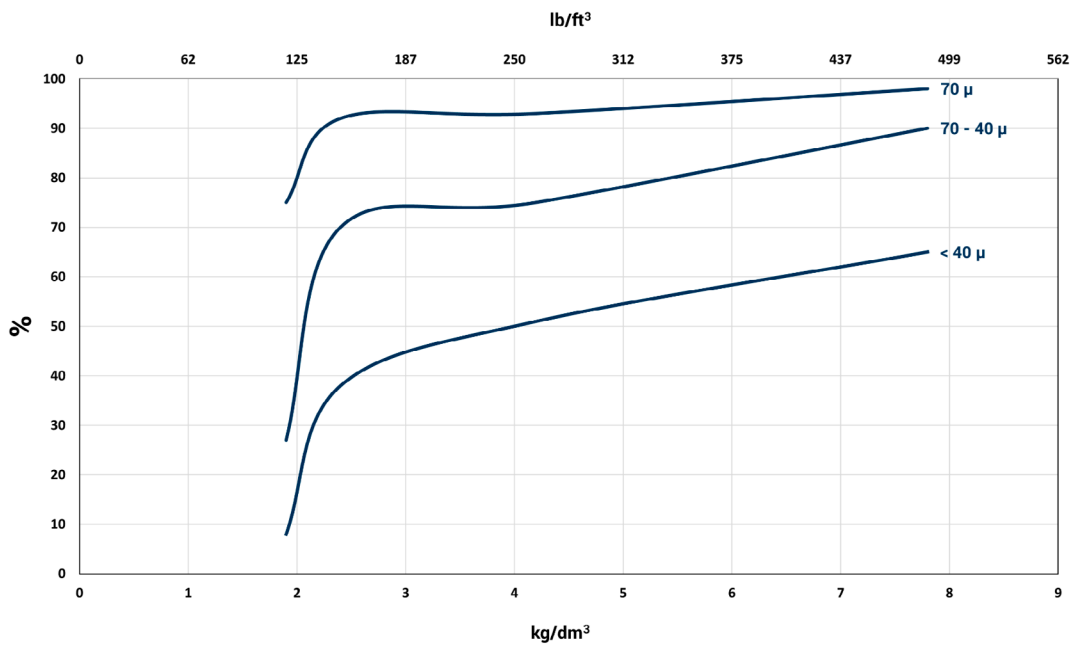
*Results obtained under normal operating conditions with constant flow. Pressure range: 1.5 - 10 bar. Particle size: 70 - 40 μ m

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/dm³- lb/ft³)



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