

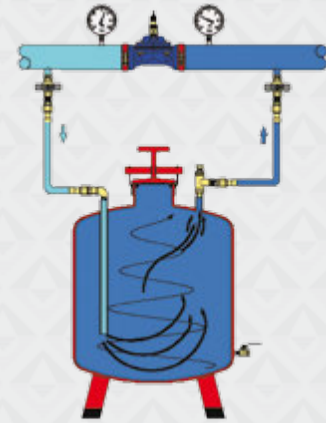


description

Armaş 5000 series fertilizer tanks are developed for chemical fertilizer or pesticide applications directly to root region of the plant using irrigation water of drip or sprinkler irrigation systems. It ensures very practical and convenient fertilizing and pesticide administration in irrigation systems due to simple structure and ease of use. Different models with varying capacities are available including horizontal and vertical types depending on different needs of present irrigation system. Operating based on pressure difference principle in the irrigation systems, Armaş 5000 series fertilizer tanks will operate long years without requiring maintenance due to resistant construction.

operating principle

Armaş 5000 series fertilizing tank is connected parallel to main pipe of irrigation system using elastic hoses via by-pass method. Irrigation water enters into the tank containing soluble chemical from the inlet hose of fertilizer tank connected to the line. Due to pressure gradient created using a valve or pressure reducer assembled on the irrigation line, chemical fertilizer is solved and it is blended within the tank. Solved chemical fertilizer is supplied to the root region of the plant using irrigation water.



applications

- Chemical fertilization applications by pressure agricultural irrigation systems
- Pesticide administration by pressure agricultural irrigation systems

features

- It provides ease of use and of maintenance due to simple structure.
- Pre-painting phosphorization is performed for maximum resistance against corrosion and chemical solution.
- It has long economic life based on Epoxy – Polyester coating.
- It operates based on line pressure of the system.



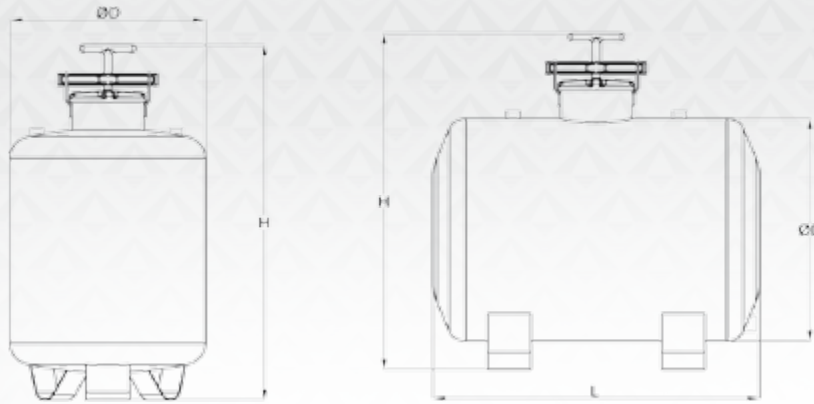
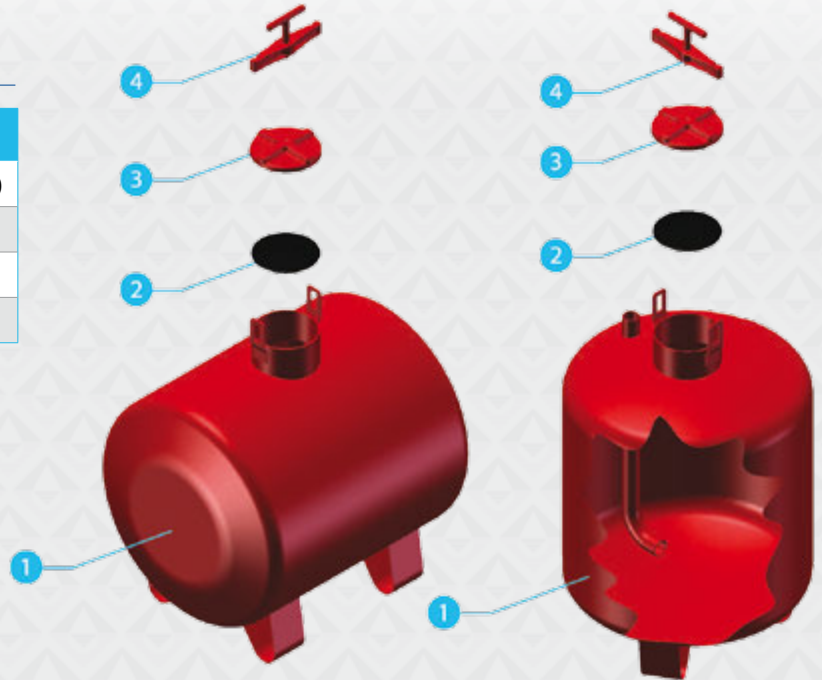
fertilizer tank

5000 series



material list

Part No	Part Name	Material
1	Body	ST37-2 (DIN 17100)
2	Lid Seal	NBR/EPDM
3	Lid	DIN EN 10131
4	Arm	STEEL (DIN 2458)

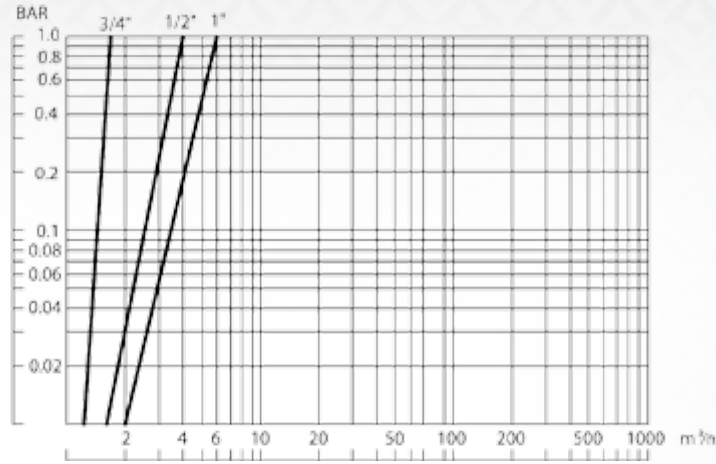


available models and recommended flow rates

Model	Capacity		ØD		H		L		Weight	
	liter	galon	mm	inch	mm	inch	mm	inch	kg	Lbs.
V5060	60	16	380	15"	760	30"	-	-	24	53
H5120	120	32	450	17,7"	800	31,5"	750	29,5"	40	88
H5200	200	52	640	25,2"	950	37,4"	730	28,7"	52	115
H5300	300	79	640	25,2"	950	37,4"	970	38,2"	68	150
H5400	400	106	640	25,2"	950	37,4"	1230	48,4"	76	168
H5500	500	132	640	25,2"	950	37,4"	1480	58,3"	102	225



tank injection rate



Pressure Difference	Injection Rate 3/4" inlet - 3/4" outlet	Injection Rate 1/2" inlet- 1/2" outlet	Injection Rate 1" inlet- 1" outlet
0.9 bar	1400 L/h	3980 L/h	5120 L/h
0.8 bar	1340 L/h	3750 L/h	4830 L/h
0.7 bar	1250 L/h	3510 L/h	4520 L/h
0.6 bar	1160 L/h	3250 L/h	4180 L/h
0.5 bar	1050 L/h	2970 L/h	3800 L/h
0.4 bar	940 L/h	2650 L/h	3420 L/h
0.3 bar	820 L/h	2300 L/h	2950 L/h
0.2 bar	670 L/h	1880 L/h	2400 L/h
0.1 bar	450 L/h	1320 L/h	1700 L/h

technical specifications

Maximum Operating Pressure	Test Pressure	Temperature	Connection	Coating
8 (bar) 120 (psi)	12 (bar) 175 (psi)	- 10 °C – 80 °C (14 °F – 176 °F) DIN 2401 /2	Threaded - BSPT /NPT Flanged - ISO / ANS	1. Phase: Phosphorization 2. Phase: Electrostatic Powdering Polyester - Epoxy