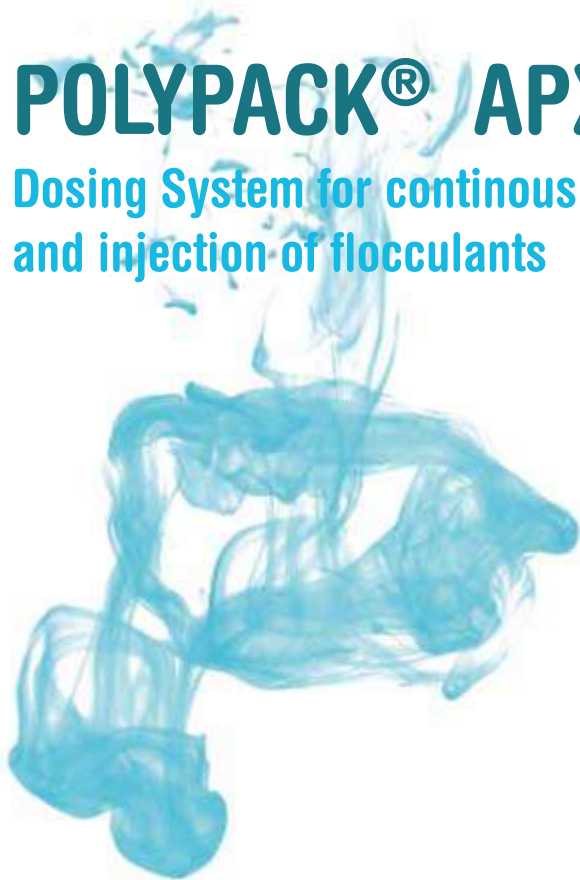




POLYPACK® APX

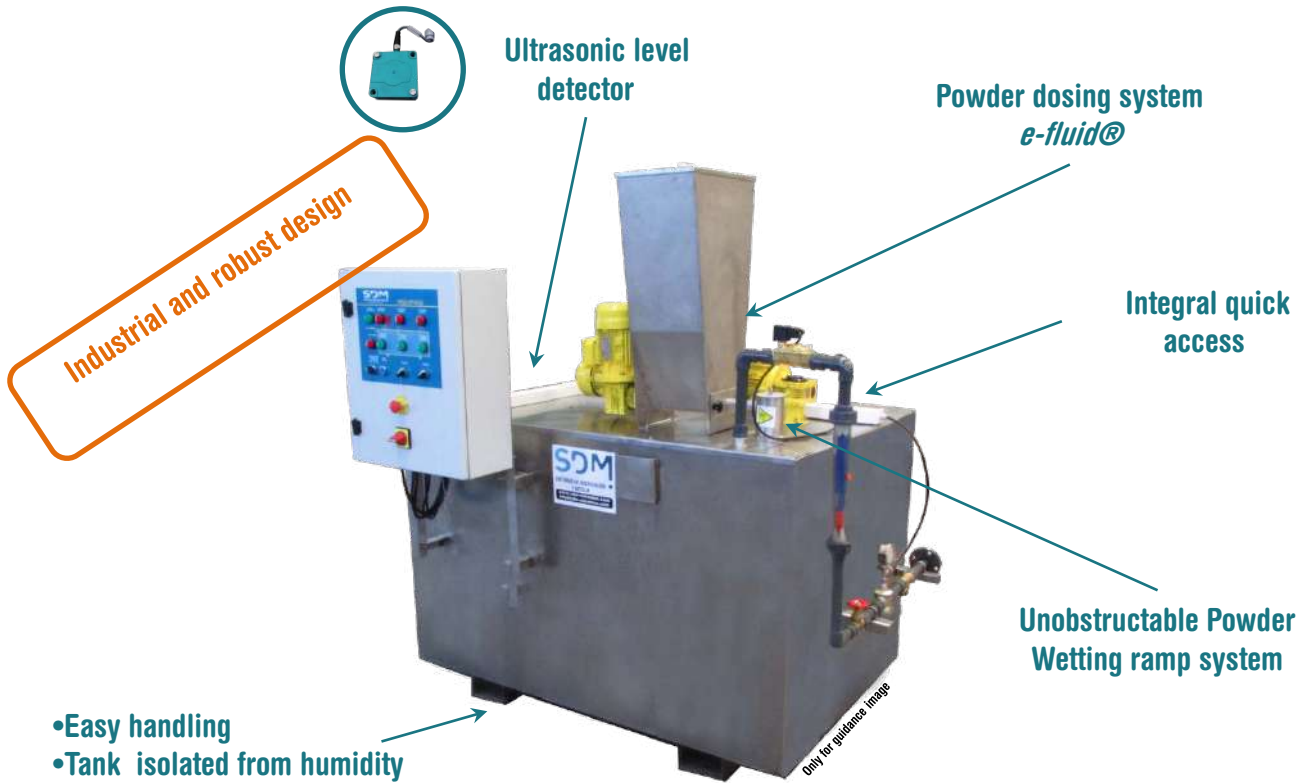
Dosing System for continuous and automatic preparation, storage and injection of flocculants



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The operating principle is based on the circulation of the fluid between compartments done by means of siphon tubes and chicanes. This assures an optimized reaction time in each of the compartments and maintains a constant concentration avoiding all risk of contact between entering product and finished product.

The entire system is commanded by a control panel which includes a microprocessor that, thanks to the signals received, when the incorporated sensors are put into action, the different elements of equipment are automatically activated (water feed, dry feeder, mixers, etc) in accordance with to the previously settled required concentration and flow.

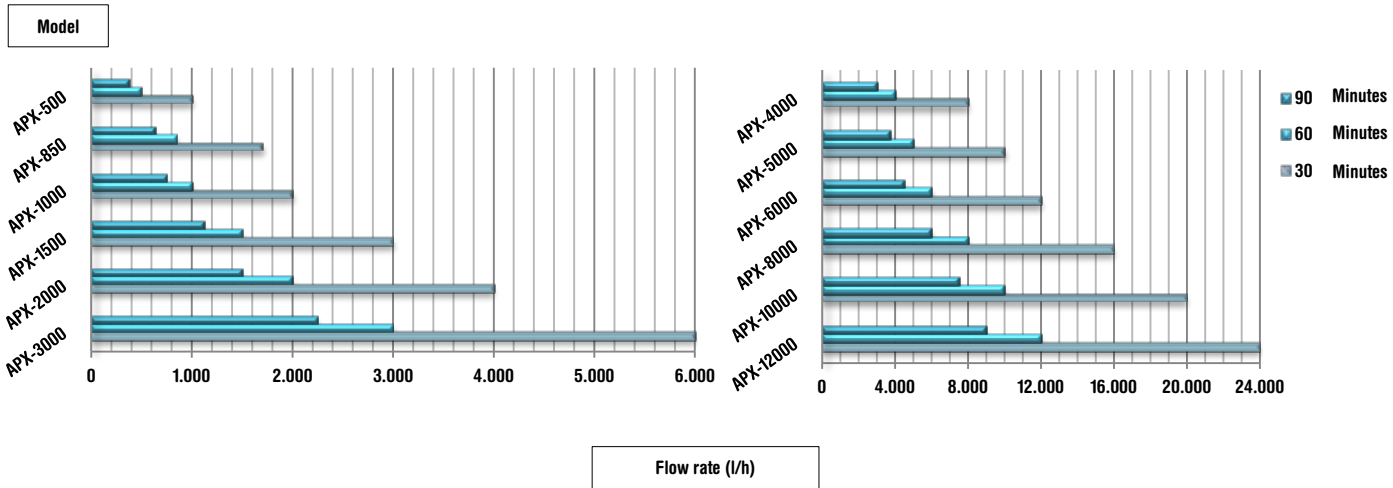
OPTIONS

- ✓ Additional mixer (not available for model APX 500).
- ✓ Several hooper volumes up to 300 l.
- ✓ Low level detector on hopper dry feeder unit.
- ✓ Integrated dosing system for pumping the prepared solution.
- ✓ Heating in the powder dry feeder outlet conduct to prevent sticking in high humidity areas.
- ✓ Post-dilution water units from 2.5 up to 20 m³/h to get a lower concentration of final solution
- ✓ Adaptation to liquid flocculant .
- ✓ Dual equipment for liquid & powder flocculant.
- ✓ Blower system for automation of dry powder hooper filling.

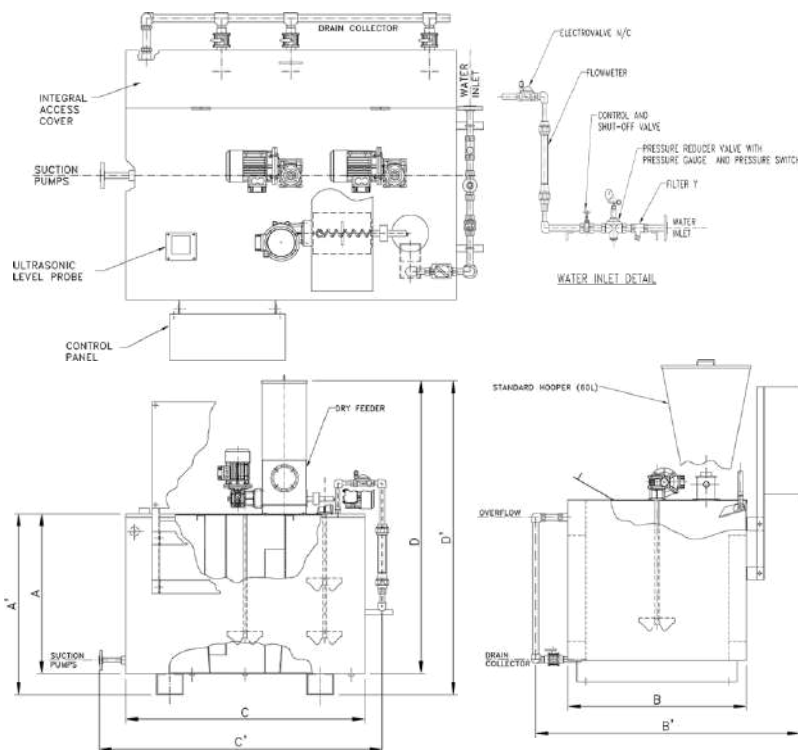


HOW TO SELECT THE POLYPACK APX

The selection of the Polypack® proper model is done in accordance with the average maturation period required by the flocculant for the correct preparation .



Guidance selection chart in accordance with the average flocculant maturation period



Maximum dimensions 60 l. hopper included

Model	Standard equipment dimensions (INOX) BxCx D	Standard equipment dimensions (INOX) A'x B' x C' x D'	Water inlet	Drain size	Dosing pump connection
APX-500	1000x1000x550x1310	670x1600x1500x1580	3/4"	1"	1"
APX-850	1500x1000x690x1560	810x1600x2000x1590	3/4"	1"	1"
APX-1000	1500x1000x940x1810	1060x1600x2000x1840	3/4"	1"	1"
APX-1500	1500x1000x1190x2060	1310x1600x2000x2090	1"	1"	1"
APX-2000	2000x1000x1100x2310	1220x1600x2500x2000	1"	1"	1 1/2"
APX-3000	2650x1250x1000x1870	1120x1900x3150x1900	1 1/2"	1 1/2"	2"
APX-4000	2700x1400x1100x1970	1220x2050x3200x2000	1 1/2"	1 1/2"	2"
APX-5000	2900x1400x1300x2170	1420x2100x3400x2200	2"	2"	2"
APX-6000	3500x1400x1300x2170	1420x2100x4000x2200	2"	2"	2"
APX-8000	4000x1600x1300x2170	1420x2300x4500x2200	2"	2"	2"
APX-10000	4000x2000x1300x2170	1450x2700x4500x2230	2"	2"	2"
APX-12000	4300x2000x1400x2300	1550x2700x4800x2330	2"	2"	2"

Model	Standard equipment dimensions (PPH) AxBxCxD	Standard equipment dimensions (PPH) A'xB'xC'D'	Water inlet	Drain size	Dosing pump connection
APX-500	970x970x650x1520	770x1550x1470x1580	3/4"	1"	1"
APX-850	1200x970x900x1770	1020x1550x1700x1800	3/4"	1"	1"
APX-1000	1350x970x950x1820	1070x1550x1850x1850	3/4"	1"	1"
APX-1500	1700x970x1000x1770	1120x1550x2200x1900	1"	1"	1"
APX-2000	2250x970x1000x1870	1120x1550x2750x1900	1"	1"	1 1/2"
APX-3000	2650x1250x1000x1870	1120x1900x3150x1900	1 1/2"	1 1/2"	2"
APX-4000	2700x1400x1100x1970	1220x2050x3200x2000	1 1/2"	1 1/2"	2"
APX-5000	2900x1400x1300x2170	1420x2100x3400x2200	2"	2"	2"
APX-6000	2960x1460x1500x2370	1620x2160x3460x2400	2"	2"	2"
APX-8000	3960x1460x1500x2370	1620x2160x4460x2400	2"	2"	2"
APX-10000	3960x1960x1350x2220	1470x2660x4460x2250	2"	2"	2"
APX-12000	4300x1960x1450x2350	1600x2660x4800x2380	2"	2"	2"

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Non contractual document. Dimensions and technical data are subjected to change without notice.

GENERALITIES

The use of flocculants (Polyelectrolytes, Starch, liquid emulsions, etc) considerably improves the separation process between solid/liquid phases for applications such as:

- Industrial and drinking water treatment .
- Waste water treatment (physico-chemical treatment).
- Sludge treatment (centrifuges, filter press... to improve dewatering).
- Paper industry as retention agent.
- Specific processes (chemical industry, petrochemical industry, mineral treatment...).

FLOCCULANT PREPARATION DIFFICULTIES

Why should be used flocculant automatic preparation systems in Water Treatment Plants?

To avoid manual interventions :

- Dosing errors.
- Discontinuity in the operation.

Control operation optimization .

- Knowledge of the process status .
- Remote control of the process.
- Optimize the operation cost .

Standardisation in flocculant preparation:

- Flocculant concentration.
- Flocculant maturation time.
- Homogeneity of the final solution.
- Hidrodinamic treatment of polymer based flocculant chain

Space optimization

Taylor-made solutions: Contact us about the possibility of developing taylor-made projects.

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