



HEFER SYSTEMS & CONTROLS LTD.

- WATER & WASTE WATER TECHNOLOGIES
- PROCESS ANALYTICAL EQUIPMENT

HA

AUTOMATIC POLYELECTROLYTE PLANTS



Sizes ranging from 300 to 5,000 lt /hr

HEFER SYSTEMS & CONTROLS LTD.

Tel: 972-9-8995069

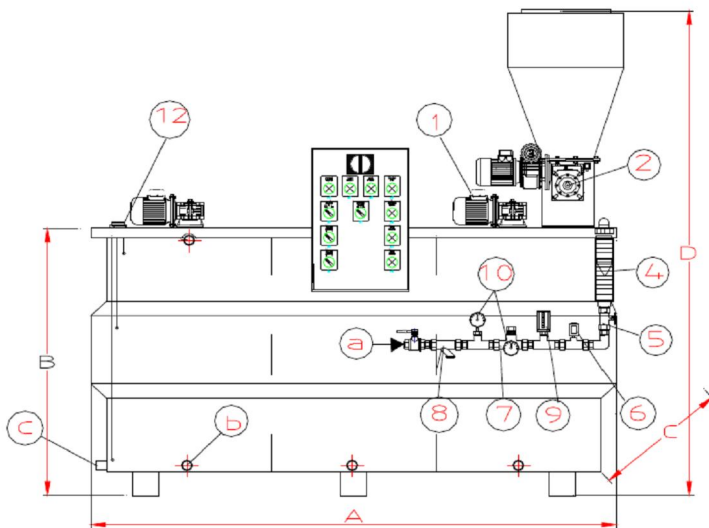
Fax: 972-9-8995112

E-mail: sales@hefer.co.il

Web: www.hefer.co.il

HA Preparation System for Dry Polyelectrolytes

- Fully automatic - three-chambers in S.Steel 304 - equipped with electric mixer
- Dry screw feeder motorised with hand wheel variator
- Water feeder apparatus with solenoid Valve, reducer and control pressure
Flow-meter- needle valve (minimum water pressure - 1.5 bar)
- Sensor level, powder and solution
- Control Panel, according to CEI 17.13/1 - IP 55
- Variable concentration ranging from 0.1 to 0.5 %



Pos.	DESCRIPTION
1	MIXERS
2	METERING
3	VENTURI MIXER
4	FLOW-METER
5	HAND VALVE
6	SOLENOID VALVE
7	PRESSURE REDUCER
8	Y STRAINER
9	PRESSURE SWITCH
10	MANOMETERS
11	CONTROL PANEL
12	SENSOR LEVEL
13	HEATING CABLE
14	POLY SENSOR LEVEL

TECHNICAL DATA & OVERALL DIMENSIONS

Types HA	300	500	700	1000	1500	2000	2500	3000	4000	5000
Capacity lt	300	500	700	1000	1500	2000	2500	3000	4000	5000
Flow-rate lt/h	300	500	700	1000	1500	2000	2500	3000	4000	5000
Hopper capacity lt	40	50	50	50	70	80	100	1000	100	200
Metering Kg/h	0,3-1,5	0,5-2,5	0,7-3,5	1 - 5	1,5-7,5	2 - 10	2,5-12,5	3 - 15	4 -20	5 -20
Power Metering kw	0,18	0,18	0,18	0,18	0,18	0,18	0,22	0,22	0,22	0,22
Power Mixers kw	0,18	0,18	0,18	0,18	0,25	0,37	0,37	0,37	0,37	0,55
Concentration 0,%	0,1-0,5	0,1-0,5	0,1-0,5	0,1- 0,5	0,1 -0,5	0,1 -0,5	0,1 -0,5	0,1 -0,5	0,1-0,4	0,1-0,4
A	1100	1600	1600	1900	2000	2200	2600	3100	3100	3100
B	800	900	900	900	1100	1100	1100	1100	1200	1350
C	600	600	700	800	900	1070	1100	1100	1300	1450
D	1400	1500	1500	1500	1800	2000	2100	2100	2300	2750
Inlet	1/2"	1/2"	1/2"	1/2"	3/4"	1"	1"	1"	1"	1 1/4"
Drain Size	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"
Weight kg	140	170	190	230	280	310	350	380	430	500

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HE-P

AUTOMATIC PLANT FOR EMULSION POLYELECTROLYTE



Sizes ranging from 500 to 10,000 lt /hr

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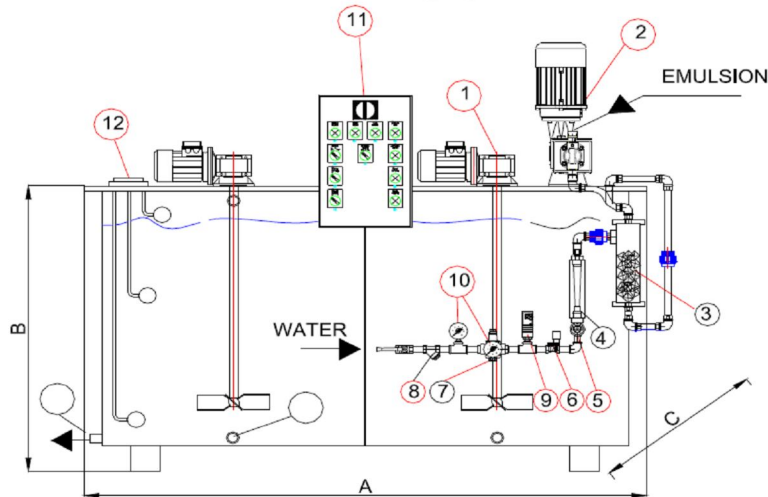
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HE – P preparation system for emulsion polyelectrolytes

- Fully automatic – two chambers in PP-H - equipped with one mixer
- Emulsion Metering pump
- Water feeder apparatus with solenoid valve reducer and pressure switch
Flow-meter- needle valve (minimum water pressure -1.5 bar)
- Sensor level solution
- Control panel, according to CEI 17.13/1 - IP 55
- Variable concentration ranging from 0.1 to 1 %



Pos.	DESCRIPTION
1	MIXERS
2	METERING PUMP
3	STATIC MIXER
4	FLOW-METER
5	HAND VALVE
6	SOLENOID VALVE
7	PRESSURE REDUCER
8	Y STRAINER
9	PRESSURE SWITCH
10	MANOMETERS
11	CONTROL PANEL
12	SENSOR LEVEL

TECHNICAL DATA & OVERALL DIMENSIONS

Types HE-P	500	1000	2000	3000
Capacity lt	500	1000	3000	5000
Max Flow-rate lt/h **	1500	3000	6000	10.000
Flow rate pump	20	40	100	150
Power Metering kw	0,18	0,18	0,25	0,25
Power Mixers kw	0,25	0,37	0,55	1,1
Concentration 0,%	0,1- 1	0,1- 1	0,1 - 1	0,1- 1
A	1600	1900	2200	3100
B	900	900	1100	1100
C	600	800	1070	1100
D	1400	1400	1500	1500
Inlet	3/4"	1"	1 1/4"	1 1/2"
Drain Size	1"	1 1/2"	1 1/2"	2"
Weight kg	150	200	320	400

** max flow rate with 20' maturing time

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DP DRY FEEDERS



Volumetric Batch Feeders for all kind of powders

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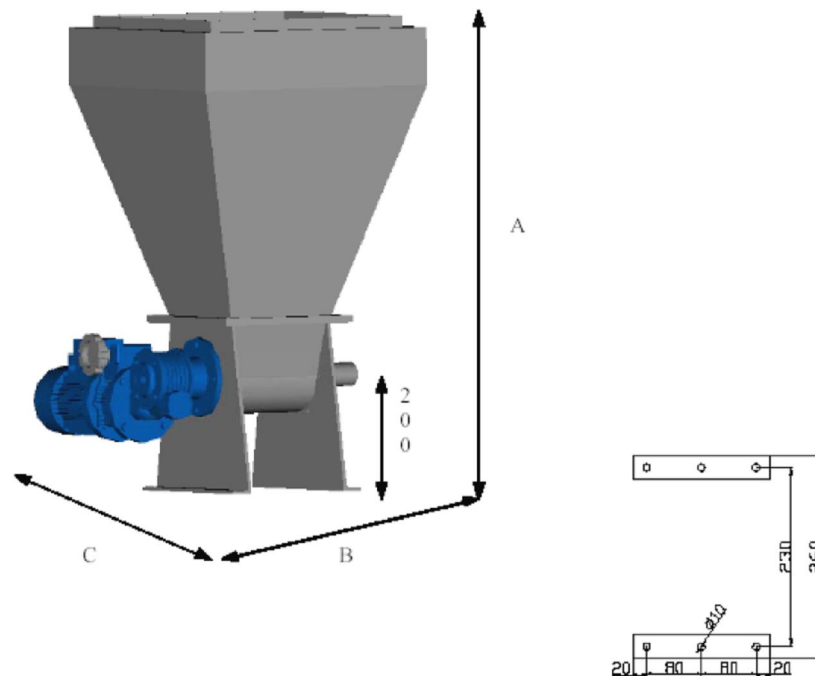
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DP Dry Feeders

- designed and built for the continuous dosing of dry materials
- suitable and customizable for a wide range of powders and granulars
- availability of several feed screw sizes for different dosing needs
- hoppers with different sizes can be coupled to the same dosing base



MODEL	DP 5	DP 8	DP 10	DP 20	DP 30
Capacity	50	80	100	200	300
Power Kw	0.18	0.22	0.22	0.22	0.22
Flow rate	0,5 - 2,5	1 - 5	2 - 10	4 - 20	10 - 50
A	750	900	1050	1200	1400
B	500	500	550	600	700
C	550	550	600	650	700