

## System Deposition for Hollow Membrane Full Model



*Catalog Info:*  
SYS-DEP-HM-FM-56L

### *Description:*

System production for hollow membrane.

The Full Model includes the polymeric solution delivery system electrically heated up to 300°C and a rotating coagulation bath for Hollow Fiber.

### *Technical Specification:*

#### **Storage Tank for Polymeric Solution:**

Stainless Steel AISI 304 storage tank: double chamber with load capacity around 1 liter, two GAS coupling of ¼" for inlet and output of cooling and heating liquid (from -20°C to 150°C) with a maximum pressure of 10bar, GAS coupling of ¼" for exhaust product. Flange for steel AISI 316 storage tank with a 3/8" GAS inlet in the middle including tap, two holes of ¼" GAS for lodging manometers, seal lodging, O-ring made f FETFE and/or Silicon/Viton;

#### **Polymeric delivery System:**

- Analog Pressure Gauge: AISI 316 steel made for tank
- Analog Pressure Gauge: AISI 316 steel made for branch output of the gear pump
- AISI 304/316 steel holder for storage tank
- AISI 304/316 steel holder for tank/engine/pump
- All-steel AISI 316 pipe line with diameter of  $\varnothing$  6mm
- Ball valves made of AISI 316 steel
- Reducer and Speed Regulator for reducer, power supply 220Vac
- Gear Pump up 0,2 cc/rev - Tmax 300°C

#### **Heater System:**

- Electric Heater for all Delivery Parts (Storage Tank, Pump, Pipelines and Spinneret), up to 300°C
- PID Temperature Regulation System with dedicated regulation for each system parts

#### **Coagulation Bath for Hollow Fiber:**

- Stainless Steel AISI 304
- 56 Liters capacity with emptying system
- Rotation system with Reduced and Speed Controller

Comes complete with:

### **Accessories and Notes:**

The following product can be designed according to the client requirements.

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