



**motralec**

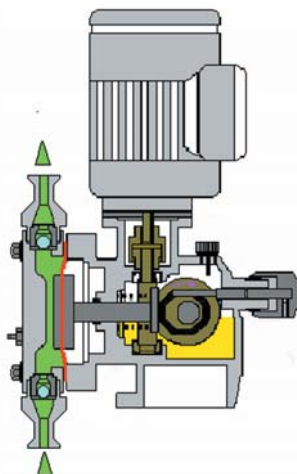
4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX  
 Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48  
 Demande de prix / e-mail : service-commercial@motralec.com  
[www.motralec.com](http://www.motralec.com)

# ProCam Hygienic Diaphragm Metering Pumps

The ProCam Hygienic has been developed to meet the highest standards of the European Engineering and Design Group (EHEDG). The cleaning characteristics have been improved by a special pump valve design.

- **Capacity for each pumphead: 0.15 - 158 GPH**
- **Maximum operating pressure: up to 300 psi**
- Hermetically sealed metering pumps with PTFE double diaphragm (FDA approved) and diaphragm monitoring service by pressure gauge or pressure switch.
- Hygienically optimized valves for ideal cleaning and sterilization.
- Low hold-up time of fluid in pumphead without dead zones.
- Double diaphragm and gaskets made of PTFE (FDA approved).
- Painting according to FDA Standards.
- Front cover, valves and connections in material SS316L

with surface roughness Ra 0.4 up to 0.8 by electropolishing.



## Applications

- Suitable for CIP (Cleaning-in-Place) up to 300° F.
- Suitable for SIP (Sterilizing-in-Place) by saturated steam at 250° F.
- Suitable for stringent hygienic and sterile needs in the pharmaceutical industry and biotechnology, in cosmetic industries and personal care as well as for food and beverages.
- In accordance with Directive 94/9/EC (ATEX100a).
- Flexibility due to multi-head pumps.





Electropolished pumphead Ra <0.8 with pressure switch for diaphragm monitoring service



Clamp-connection and ball valve in SS316L with Ra <0.8, PTFE gaskets (FDA approved)

PROCAM CAPACITY CHART						
Type	Nominal Max. Capacities (GPH) @ Stroke Speeds				Max. Pressure** Psig.	Connections Clamp
Gear Ratio Stroke Speed	28:1 60	19:1* 86	28:1 120	19:1* 172		
*39:2 for DS 200 & 500						
<b>316 Stainless Steel Pumphead</b>						
DS 15	1.6	2.4	3.2	4.7	300	1/2"
DS 50	5.5	7.9	11.1	15.8	150	1/2"
DS 100	11.1	15.8	22.2	31.6	60	1/2"
DS 200	22.2	31.7	44.4	63.4	150	1/2"
DS 500	55.5	79.3	111	158.5	60	1"

\*\* For pumps with 4-6 heads the max. pressure is 50% of the given value.

**SPX**®

PROCESS EQUIPMENT



**motralec**

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX  
 Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48  
 Demande de prix / e-mail : service-commercial@motralec.com  
[www.motralec.com](http://www.motralec.com)