

# 0 - 7000 bar HAND PUMP



## USES :

TOP INDUSTRIE Hand Pumps are capable of developing pressures up to 7000 bar. They are highly reliable, precise and easy to use. They can also be automatic. Hand pumps can also be used as cells with variable volume, and can be equipped with observation windows in order to control the fluid inside. The cell pump can also be fitted with a thermostat, thus enabling the study of certain fluids.

## FEATURES :

- Non-rotating plunger.
- Compact size.
- Material : 1.4542
- Very precise.
- Teflon packing.
- Works with all fluids compatible with material used.
- Low rotation torque: 5.5 Nm (4.05 lb/ft) at maximum pressure.

## OTHER OPTIONS :

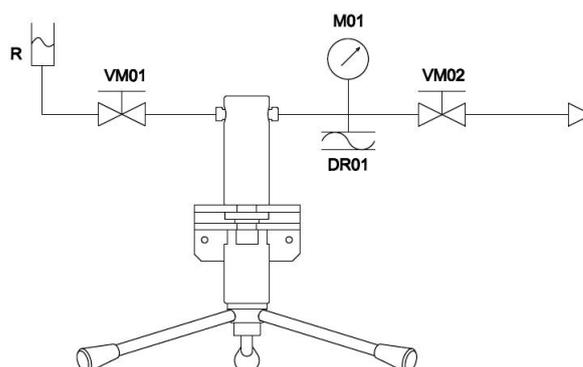
- Other materials: Hastelloy, Inconel, etc.
- Can be fitted with electric gear-motor.
- Special gas pumps are available.
- Can be fitted with sapphire observation window.
- Magnetic stirrer.
- Double cooling envelope.
- Tachometer

## OPERATING INSTRUCTIONS :

- Turn capstan anticlockwise to fill pump.
- Turn capstan clockwise to generate pressure.
- The end of run is secured by a mechanical stop block

**N.B:** Beware of pressure increase when using high-viscosity fluids.

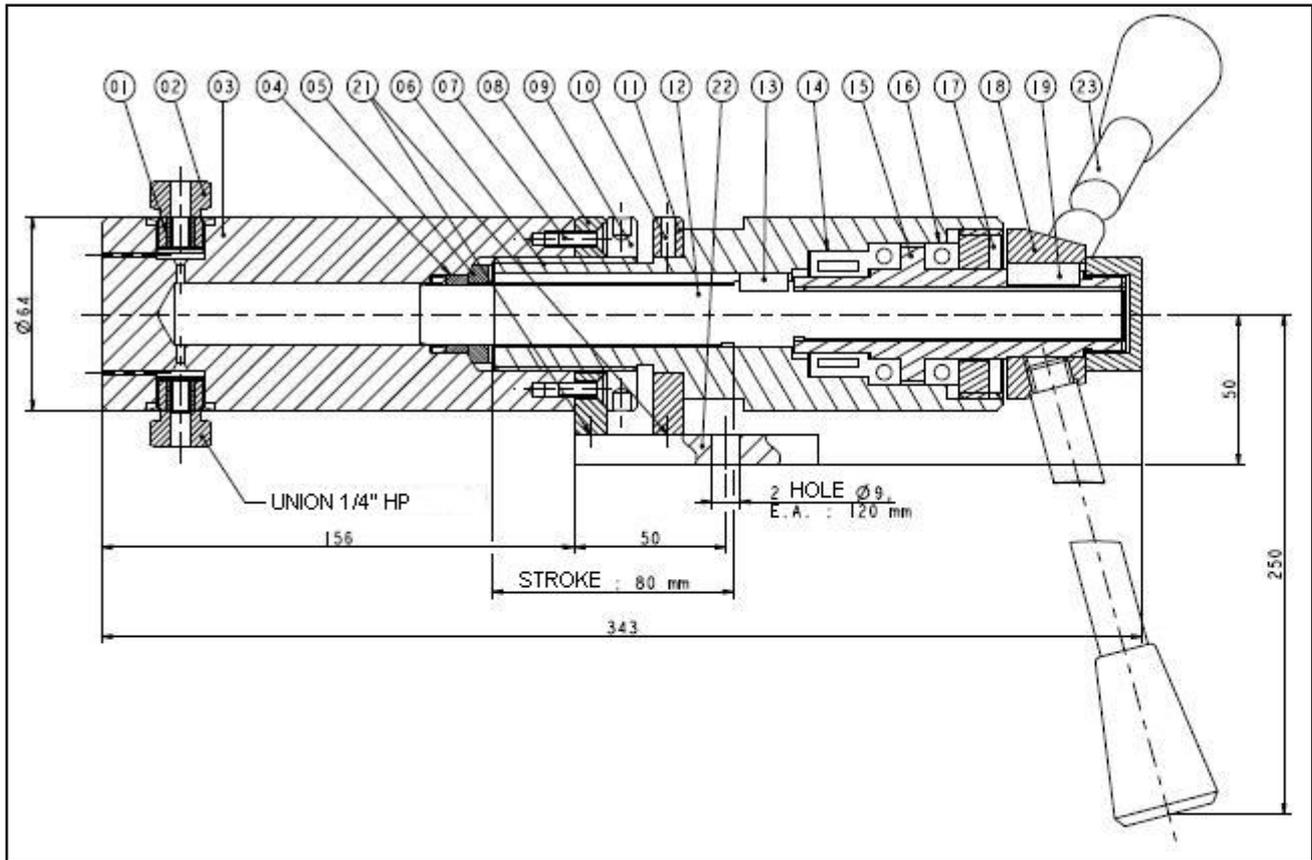
## ASSEMBLY INSTRUCTIONS



HIGH PRESSURE SCREW PUMP						
PRESSURE	VOLUME	VOLUME PER TURN	PISTON Ø	PITCH	CONNECTOR	REFERENCE
bar	cm <sup>3</sup>	cm <sup>3</sup>	mm	mm		
1 000	24,8	0,828	20	2	2 × 1/4" HP	609 26 00
2 000	12	0,3	14	2	2 × 1/4" HP	609 27 00
4 000	6,2	0,157	10	2	2 × 1/4" HP	609 28 00
7 000	3	0,076	7	2	2 × 1/4" HP	609 29 00



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INDEX	NAME	REFERENCE	MATERIAL
1	COLLAR	720 03 20	430F
2	SCREW	720 03 10	430F
3	BODY	609 (*) 01	1.4542
4	GASKET	609 (*) 02	TEFLON
5	COLLAR	609 (*) 03	1.4542
6	APRON	609 27 04	1.4305
7	M5 SCREW	609 27 05	INOX
8	SUPPORT	609 27 06	ALUMINIUM
9	NUT	609 27 07	1.4305
10	M5 SCREW	609 27 08	INOX
11	SUPPORT	609 27 09	ALUMINIUM
12	PISTON	609 (*) 10	1.4542
13	PIN	609 27 11	BRONZE
14	BEARING	609 27 12	
15	SLEEVE	609 27 13	BRONZE
16	STOP BLOCK	609 27 14	
17	NUT	609 27 15	1.4305
18	HANDLE SUPPORT	609 27 16	1.4305
19	PIN	609 27 17	BRONZE
20	COLLAR	609 27 18	1.4305
21	M5 SCREW	609 27 21	STAINLESS STEEL
22	SUPPORT	609 27 20	ALUMINIUM
23	HANDLE	609 27 19	

To order spare parts, replace the asterisk by the 4th and 5th digits of the pump reference number.

In view of possible technological advances in our production methods, the products described in this manual are liable to be modified without prior notice.

