

Technical Newsletter

INTRODUCING THE NEW 2 AND 5 OUNCE PUMP HA-S-M-L

From the beginning of April 2000 our dispensers Harbil small-medium and large will have a new designed molded pump with new pump-tube.

Changing pump:

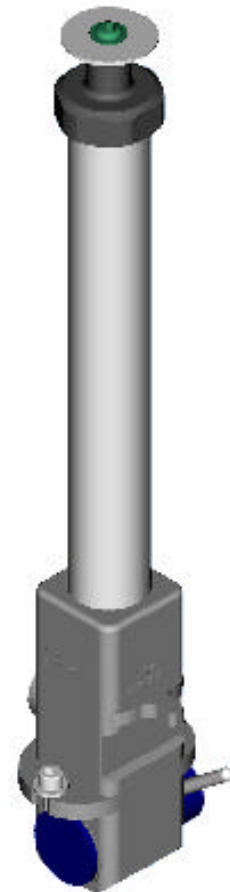
- The new pump can be placed into the existing dispenser without any changes on the machines.
- When placing a new pump also no changes are needed on the sensors or in the software.
- The dispense volume of the new pump is the same as the “old” pump 59,148 ml and 147,87 ml.

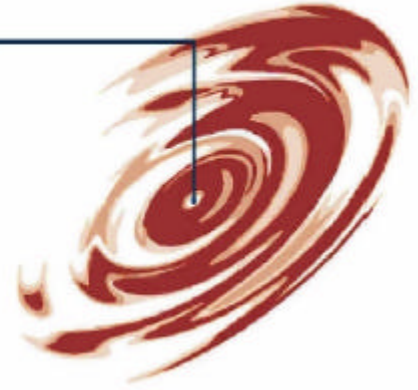
Differences:

- Valve housing for 2 oz and 5 oz are different.
- Valve has now two O-rings instead of three
- Piston-Teflon not interchangeable with “old” ones.
- Pump-cap changed and easier to remove for checking the pump for leakage.
- Screws for fasten the pump on the table are shorter.
- Sealing between pumptube and valve with o-ring.

Parts:

- On the next page you will find the exploded views of the 5 oz and the 2 oz pump and valve.



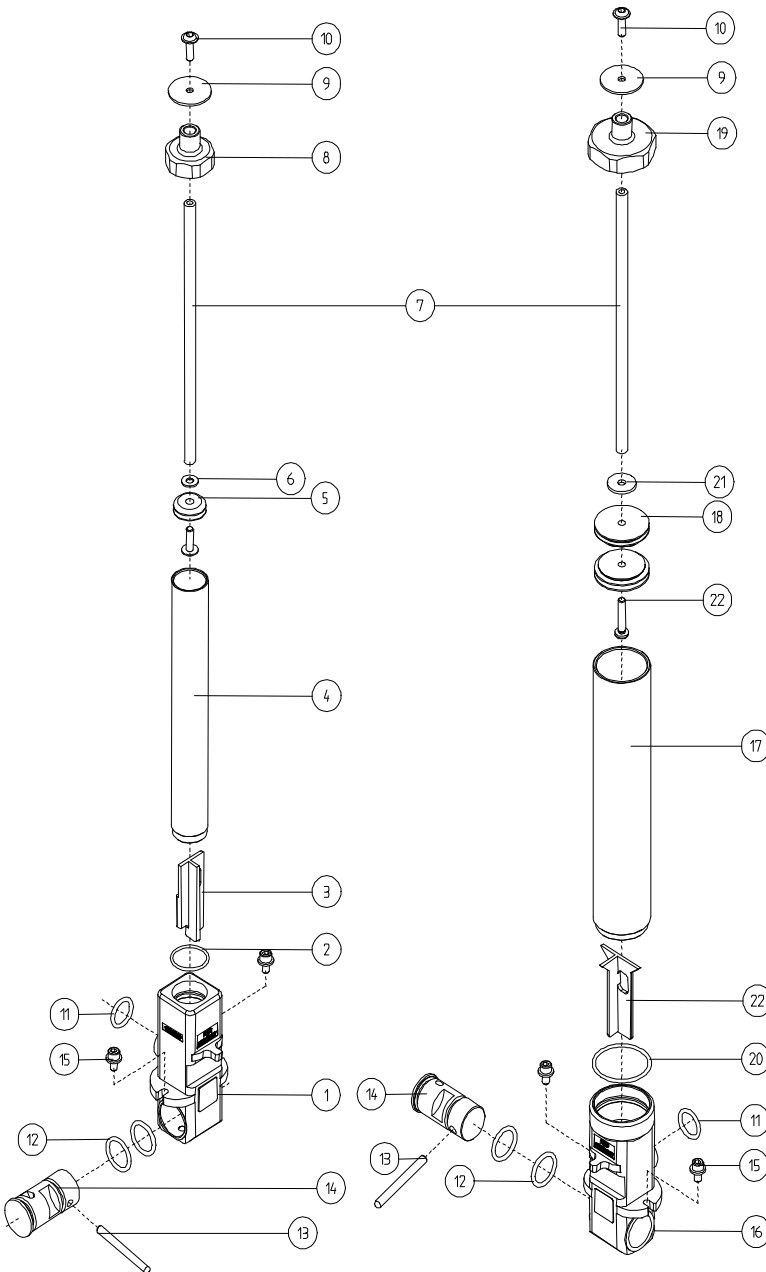


- Partnumbers for ordering parts are not yet available, but the parts that you can buy will be probably the following: (numbers in a next Newsletter)

- Valve with o-rings
- Teflon, solid 2 oz
- Teflon, solid 5 oz
- Pumptube assy 2 oz
- Pumptube assy 5 oz
- Pump and valve complete 2 oz
- Pump and valve complete 5 oz

Part numbers: (not for sale)

Item	part no	description
1	1808250	Valveblock,2-oz,HA-s/m/1,finis
2	1861350	O-ring,23.52x1.78,Vit
3	1809001	Insert,valveblock,cast,2-oz,HA
	1809016	Insert,valveblock,cast,2-oz,HA
4	1807935	Tube,pump,2-oz,HA
5	1807626	Piston,solid teflon,2-oz,HA
6	1861352	Washer,Sst,M5,12x5,3x1,2-oz,HA
7	1808769	Rod,piston,2&5-oz,HA
8	1808768	Cap,2-oz,pumptube,POM,HA
9	1801527	Disc,pump,canister,assy,BA-f
10	1850955	Screw,M5x16,Sst,socket,hex,HA
11	1362230	O-ring,canister,vit,15.88x2.62
12	1860079	O-ring,valve,vit,18.72x2.62
	1860355	O-ring,valve,kal,18.72x2.62
	1860085	O-ring,valve,sil,18.72x2.62
	1860715	O-ring,valve,EPDM,18.72x2.62
13	1807923	Handle,valve actuator,HA
14	1808243	Valve,1/2/5-oz pump,4mm ex,HA
15	1850624	Screw,M5x10,socket,st100,RIPP
16	1808265	Valveblock,5-oz,Ha-s/m/1,finis
17	1808345	Tube,pump,5-oz,HA
18	1807635	Piston,solid teflon,5-oz,HA
19	1808772	Cap,5-oz,pumptube,POM,HA
20	1861351	O-ring,37.82x1.78,Vit.



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