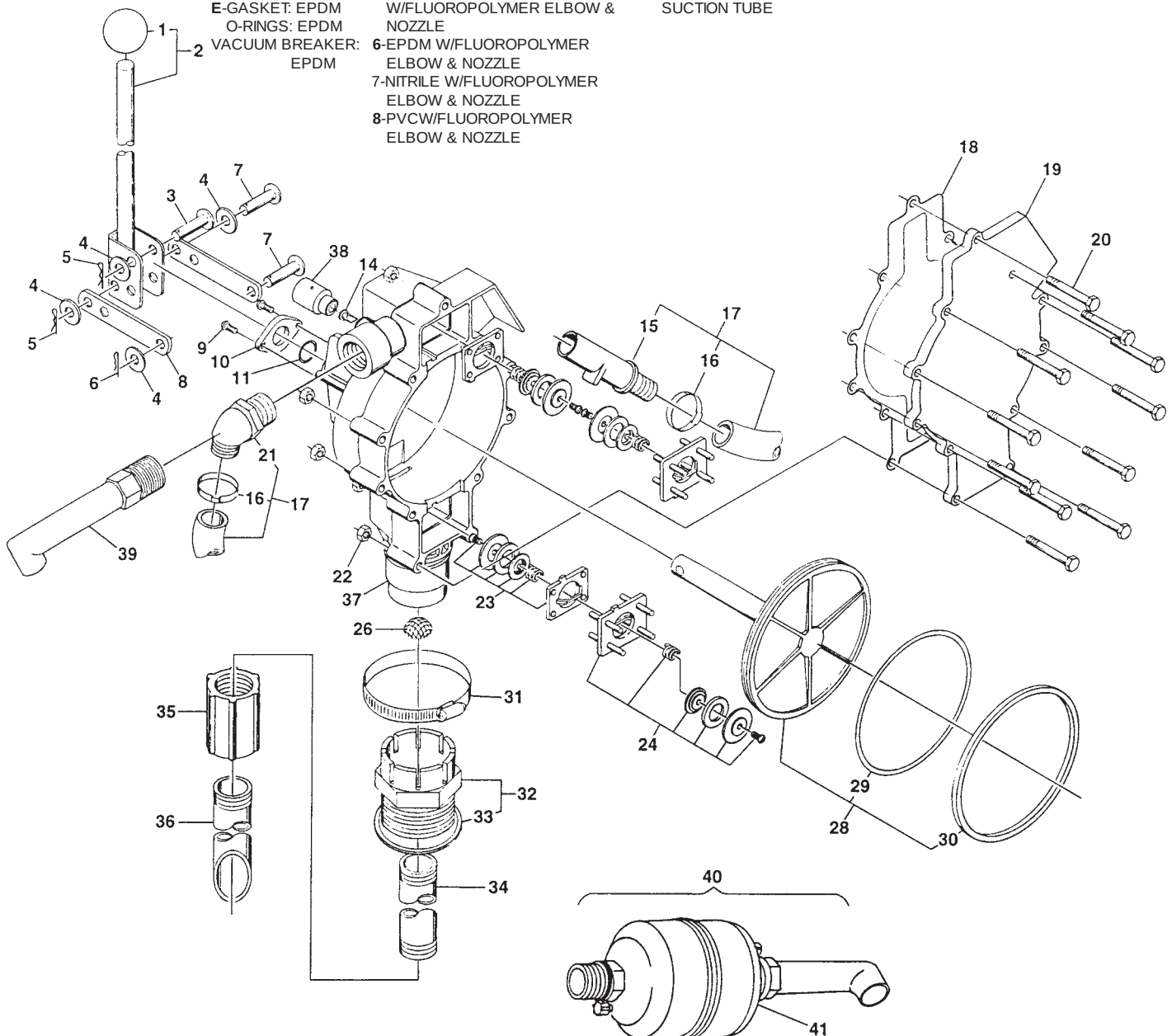


# HAND DISPENSING PUMP SERIES "HP"

Parts List  
PP-9990F  
Nov. 1995

The model numbering system for the Hand Pump is made up of 7 digits, each of which tells something about how the pumps are built. The following chart explains each digit.

| 1ST DIGIT<br>SERIES | 2ND DIGIT<br>HOUSING MATERIAL                                     | 3RD DIGIT<br>ELASTOMERS                                                                                                                                                                                                | 4TH DIGIT<br>DISCHARGE HOSE                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5TH DIGIT<br>SUCTION TUBE                                                                                                                                                                                      | 6TH DIGIT<br>DISCHARGE SPOUT                                                           | 7TH DIGIT<br>BUTTRESS BUNG<br>ADAPTER                                                                                                                                                          |
|---------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>H</b>            | <b>P</b> -POLYESTER<br><b>R</b> -RYTON<br><b>H</b> -FLUOROPOLYMER | <b>V</b> -GASKET: VITON<br>O-RINGS: VITON<br>VACUUM BREAKER: VITON<br><b>N</b> -GASKET: CORK/<br>NITRILE<br>O-RINGS: VITON<br>VACUUM BREAKER: VITON<br><b>E</b> -GASKET: EPDM<br>O-RINGS: EPDM<br>VACUUM BREAKER: EPDM | <b>1</b> -EPDM W/POLYESTER<br>ELBOW & NOZZLE<br><b>2</b> -NITRILE W/POLYESTER<br>ELBOW & NOZZLE<br><b>3</b> -PVC (BLACK) W/POLYESTER<br>ELBOW & NOZZLE<br><b>4</b> -CROSS LINKED POLYETHYLENE<br>W/POLYESTER ELBOW & NOZZLE<br><b>5</b> -CORSS LINKED POLYETHYLEN<br>W/FLUOROPOLYMER ELBOW &<br>NOZZLE<br><b>6</b> -EPDM W/FLUOROPOLYMER<br>ELBOW & NOZZLE<br><b>7</b> -NITRILE W/FLUOROPOLYMER<br>ELBOW & NOZZLE<br><b>8</b> -PVCW/FLUOROPOLYMER<br>ELBOW & NOZZLE | <b>A</b> -POLYESTER<br>SUCTION TUBE<br><b>B</b> -TEFLON SUCTION TUBE<br>W/FLUOROPOLYMER<br>COUPLING<br><b>C</b> -UHMW-PE SUCTION<br>TUBE W/FLUOROPOLYMER<br>COUPLING<br><b>D</b> -PVC FLEXIBLE<br>SUCTION TUBE | <b>M</b> - POLYESTER<br>DISCHARGE SPOUT<br><b>N</b> - FLUOROPOLYMER<br>DISCHARGE SPOUT | <b>R</b> -POLYPROPYLENE/<br>POLYESTER<br>ASSY. FOR HP PUMP<br><b>S</b> -POLYPROPYLENE/<br>FLUOROPOLYMER<br>ASSY. FOR HR PUMP<br><b>T</b> -POLYPROPYLENE/<br>FLUOROPOLYMER<br>ASSY. FOR HH PUMP |



# 'HP' PUMP PARTS LIST

PP-9990F

| ITEM | PART NO.    | DESCRIPTION                                          | QTY. | ITEM       | PART NO.                                             | DESCRIPTION                                          | QTY. |
|------|-------------|------------------------------------------------------|------|------------|------------------------------------------------------|------------------------------------------------------|------|
| 1    | 58-1049 40  | KNOB, Polypropylene .....                            | 1    | 29*        | 58-1029 72                                           | O-RING, Piston, EPDM .....                           | 1    |
| 2    | 58-1050 01  | HANDLE, Assembly, includes item 1 .....              | 1    |            | 58-1029 73                                           | O-RING, Piston, VITON .....                          | 1    |
| 3    | 58-1053     | PIN, Clevis, 5/16" x 1-1/8", Plated Steel .....      | 1    | 30         | 58-1028 90                                           | RING, Piston, Teflon, for Polyester Pumps .....      | 1    |
| 4    | 58-1380 90  | WASHER, Flat, Nylon .....                            | 4    |            | 58-2024 90                                           | RING, Piston, Teflon, for Ryton and .....            | 1    |
| 5    | 58-1379     | CLIP, Hairpin, Plated Steel, Small .....             | 2    |            |                                                      | Fluoropolymer Pumps .....                            | 1    |
| 6    | 58-1027     | Clip, Hairpin, Plated Steel, Large .....             | 1    | 31         | 58-1056 10                                           | CLAMP, Bung Adapter, Stainless Steel .....           | 1    |
| 7    | 58-1031     | PIN, Clevis, 5/16" x 1-1/4", Plated Steel .....      | 2    | 32*        | 58-1043 01                                           | ADAPTER, Bung Assembly, Polyester with .....         | 1    |
| 8    | 58-1052     | LINK, Plated Steel .....                             | 2    |            |                                                      | Cork-Nitrile Gasket .....                            | 1    |
| 9    | 58-1348 10  | SCREW, #10-14 x 3/4", Stainless Steel .....          | 2    |            | 58-1201 91                                           | ADAPTER, Bung Assembly, Fluoropolymer with .....     | 1    |
| 10   | 58-1032 30  | PLATE, Retaining, Polyester, Black .....             | 1    |            |                                                      | BUNA-N O-ring .....                                  | 1    |
|      | 58-1032 90  | PLATE, Retaining, Fluoropolymer, White .....         | 1    |            | 58-1201 92                                           | ADAPTER, Bung Assembly, Fluoropolymer with .....     | 1    |
| 11*  | 58-1030 72  | O-RING, Piston Rod, EPDM .....                       | 1    |            |                                                      | EPDM O-ring .....                                    | 1    |
|      | 58-1030 73  | O-RING, Piston Rod, VITON .....                      | 1    |            | 58-1201 93                                           | ADAPTER, Bung Assembly, Fluoropolymer with .....     | 1    |
| 14*  | 58-1040 72  | VACUUM BREAKER, EPDM, Black .....                    | 1    |            |                                                      | VITON O-ring .....                                   | 1    |
|      | 58-1040 73  | VACUUM BREAKER, VITON, Green .....                   | 1    | 58-0031P   | ADAPTER, Buttress/Bung Assembly, Polypro- .....      |                                                      | 1    |
| 15   | 58-1325 30  | NOZZLE, No-lead, Polyester, Black .....              | 1    |            |                                                      | pylene/Polyester, 2" Buttress x 2" NPT for HP .....  | 1    |
|      | 58-1325 90  | NOZZLE, No-lead, Fluoropolymer, White .....          | 1    |            |                                                      | Pumps .....                                          | 1    |
| 16   | 58-1044 12  | CLAMP, Hose, Crimped, Stainless Steel .....          | 2    | 58-0031R   | ADAPTER, Buttress/Bung Assembly, Polypro- .....      |                                                      | 1    |
| 17   | 58-1342 02  | HOSE, Discharge Assembly, Black PVC .....            | 1    |            |                                                      | pylene/Fluoropolymer, 2" Buttress x 2" NPT for ..... | 1    |
|      |             | with Polyester Nozzle and Fitting .....              | 1    |            |                                                      | HR Pumps .....                                       | 1    |
|      | 58-1342 92  | HOSE, Discharge Assembly, Black PVC .....            | 1    | 58-0031H   | ADAPTER, Buttress/Bung Assembly, Polypro- .....      |                                                      | 1    |
|      |             | with Fluoropolymer Nozzle and Fitting .....          | 1    |            |                                                      | pylene/Fluoropolymer, 2" Buttress x 2" NPT for ..... | 1    |
|      | 58-1342 04  | HOSE, Discharge Assembly, Black Nitrile .....        | 1    |            |                                                      | HH Pumps .....                                       | 1    |
|      |             | with Polyester Nozzle and Fitting .....              | 1    | 33*        | 58-1381 90                                           | GASKET, Bung Adapter, Cork-Nitrile .....             | 1    |
|      | 58-1342 94  | HOSE, Discharge Assembly, Black Nitrile .....        | 1    |            | 58-1822 71                                           | O-RING, Bung Adapter, BUNA-N .....                   | 1    |
|      |             | with Fluoropolymer Nozzle and Fitting .....          | 1    |            | 58-1822 72                                           | O-RING, Bung Adapter, EPDM .....                     | 1    |
|      | 58-1342 05  | HOSE, Discharge Assembly, Red EPDM .....             | 1    |            | 58-1822 73                                           | O-RING, Bung Adapter, VITON .....                    | 1    |
|      |             | with Polyester Nozzle and Fitting .....              | 1    | 34         | 58-1007 30                                           | TUBE, Extension, 16-1/2" Long, Polyester .....       | 1    |
|      | 58-1342 95  | HOSE, Discharge Assembly, Red EPDM .....             | 1    |            | 58-1007 50                                           | TUBE, Extension, 16-1/2" Long, UHMW-PE .....         | 1    |
|      |             | with Fluoropolymer Nozzle and Fitting .....          | 1    |            | 58-1007 90                                           | TUBE, Extension, 16-1/2" Long, Teflon .....          | 1    |
|      | 58-1342 07  | HOSE, Discharge Assembly, Cross-linked .....         | 1    | 35         | 58-1055 30                                           | COUPLING, 1" NPT, Polyester, Black .....             | 1    |
|      |             | Polyethylene with Polyester Nozzle and Fitting ..... | 1    |            | 58-1055 90                                           | COUPLING, 1" NPT, Fluoropolymer, White .....         | 1    |
|      | 58-1342 97  | HOSE, Discharge Assembly, Cross-linked Poly- .....   | 1    | 36         | 58-1045 30                                           | TUBE, Suction, 16-1/2" Long (for 55 Gal. Drum) ..... | 1    |
|      |             | ethylene with Fluoropolymer Nozzle and Fitting ..... | 1    |            |                                                      | Polyester .....                                      | 1    |
| 18*  | 58-1204 72  | GASKET, Coverplate, EPDM, Black .....                | 1    | 58-1045 50 | TUBE, Suction, 16-1/2" Long (for 55 Gal. Drum) ..... |                                                      | 1    |
|      | 58-1204 73  | GASKET, Coverplate, VITON, Brown .....               | 1    |            |                                                      | UHMW-PE .....                                        | 1    |
|      | 58-1204 90  | GASKET, Coverplate, Cork-Nitrile .....               | 1    | 58-1045 90 | TUBE, Suction, 16-1/2" Long (for 55 Gal. Drum) ..... |                                                      | 1    |
| 19   | 58-1209 30A | COVERPLATE, Polyester, Red .....                     | 1    |            |                                                      | Teflon .....                                         | 1    |
|      | 58-1209 60  | COVERPLATE, Ryton, Black .....                       | 1    | 58-2029 30 | TUBE, Suction, 10-1/4" Long (for 30 Gal. Drum) ..... |                                                      | 1    |
|      | 58-1209 90  | COVERPLATE, Fluoropolymer, White .....               | 1    |            |                                                      | Polyester .....                                      | 1    |
| 20   | 58-1206     | SCREW, 1/4-20 x 2", Slotted Hex Washer Head, .....   | 11   | 58-0069    | TUBE, Suction Flexible, 35" Long, PVC (not .....     |                                                      | 1    |
|      |             | Plated Steel .....                                   | 11   |            |                                                      | shown) .....                                         | 1    |
|      | 58-1206 10  | SCREW, 1/4-20 x 2", Slotted Hex Washer Head, .....   | 11   | 37         | 58-1022 30A                                          | HOUSING, Polyester, Red .....                        | 1    |
|      |             | Stainless Steel .....                                | 11   |            | 58-1022 60                                           | HOUSING, Ryton, Black .....                          | 1    |
| 21   | 58-1214 30  | ADAPTER, Hose, Polyester, Black 3/4" MNPT x .....    | 1    |            | 58-1022 90                                           | HOUSING, Fluoropolymer, White .....                  | 1    |
|      |             | 3/4" Hose Barb, 60° Elbow .....                      | 1    | 38         | 58-2022 30                                           | PLUG, Vent, Polyester, Black .....                   | 1    |
|      | 58-1214 90  | ADAPTER, Hose, Fluoropolymer, White 3/4" .....       | 1    |            | 58-2022 90                                           | PLUG, Vent, Fluoropolymer, White .....               | 1    |
|      |             | MNPT x 3/4" Hose Barb, 60° Elbow .....               | 1    | 39         | 58-2020 30                                           | SPOUT, Polyester, Black .....                        | 1    |
| 22   | 58-0721     | NUT, Hex, 1/4-20, Plated Steel .....                 | 11   |            | 58-2020 90                                           | SPOUT, Fluoropolymer, White .....                    | 1    |
|      | 58-0721 10  | NUT, Hex, 1/4-20, Stainless Steel .....              | 11   | 40         | 59-0011                                              | POLYPROPYLENE FILTER CAPSULE, 1.0 .....              | 1    |
| 23*  | 58-1340 02  | VALVE ASSEMBLY, Small, Polyester, EPDM .....         | 2    |            |                                                      | Nominal, Fluoropolymer Adapter and Spout .....       | 1    |
|      | 58-1340 02H | VALVE ASSEMBLY, Small, Polyester, EPDM, .....        | 2    | 59-0013    | POLYPROPYLENE FILTER CAPSULE, 2.0 .....              |                                                      | 1    |
|      |             | Hastelloy Spring .....                               | 2    |            |                                                      | Nominal, Fluoropolymer Adapter and Spout .....       | 1    |
|      | 58-1340 03  | VALVE ASSEMBLY, Small, Polyester, VITON .....        | 2    | 41         | 59-0012                                              | REPLACEMENT FILTER CAPSULE, 1.0 Nominal ..           | 1    |
|      | 58-1340 03H | VALVE ASSEMBLY, Small, Polyester, VITON, .....       | 2    |            | 59-0014                                              | REPLACEMENT FILTER CAPSULE, 2.0 Nominal ..           | 1    |
|      |             | Hastelloy Spring .....                               | 2    |            |                                                      |                                                      |      |
|      | 58-1340 92  | VALVE ASSEMBLY, Small, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | EPDM .....                                           | 2    |            |                                                      |                                                      |      |
|      | 58-1340 92H | VALVE ASSEMBLY, Small, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | EPDM, Hastelloy Spring .....                         | 2    |            |                                                      |                                                      |      |
|      | 58-1340 93  | VALVE ASSEMBLY, Small, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | VITON .....                                          | 2    |            |                                                      |                                                      |      |
|      | 58-1340 93H | VALVE ASSEMBLY, Small, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | VITON, Hastelloy Spring .....                        | 2    |            |                                                      |                                                      |      |
| 24*  | 58-1341 02  | VALVE ASSEMBLY, Large, Polyester, EPDM .....         | 2    |            |                                                      |                                                      |      |
|      | 58-1341 02H | VALVE ASSEMBLY, Large, Polyester, EPDM, .....        | 2    |            |                                                      |                                                      |      |
|      |             | Hastelloy Spring .....                               | 2    |            |                                                      |                                                      |      |
|      | 58-1341 03  | VALVE ASSEMBLY, Large, Polyester, VITON .....        | 2    |            |                                                      |                                                      |      |
|      | 58-1341 03H | VALVE ASSEMBLY, Large, Polyester, VITON, .....       | 2    |            |                                                      |                                                      |      |
|      |             | Hastelloy Spring .....                               | 2    |            |                                                      |                                                      |      |
|      | 58-1341 92  | VALVE ASSEMBLY, Large, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | EPDM .....                                           | 2    |            |                                                      |                                                      |      |
|      | 58-1341 92H | VALVE ASSEMBLY, Large, Fluoropolymer, .....          | 2    |            |                                                      |                                                      |      |
|      |             | EPDM, Hastelloy Spring .....                         | 2    |            |                                                      |                                                      |      |
|      | 58-1341 93  | VALVE ASSEMBLY, Large, Fluoropolymer, VITON .....    | 2    |            |                                                      |                                                      |      |
|      | 58-1341 93H | VALVE ASSEMBLY, Large, Fluoropolymer, VITON, .....   | 2    |            |                                                      |                                                      |      |
|      |             | Hastelloy Spring .....                               | 2    |            |                                                      |                                                      |      |
| 26   | 58-1038 10  | SCREEN, Filter, Stainless Steel .....                | 1    |            |                                                      |                                                      |      |
| 28*  | 58-1338 02  | PISTON ASSEMBLY, Teflon ring, Polyester, .....       | 1    |            |                                                      |                                                      |      |
|      |             | EPDM O-ring .....                                    | 1    |            |                                                      |                                                      |      |
|      | 58-1338 03  | PISTON ASSEMBLY, Teflon ring, Polyester, .....       | 1    |            |                                                      |                                                      |      |
|      |             | VITON O-ring .....                                   | 1    |            |                                                      |                                                      |      |
|      | 58-1338 92  | PISTON ASSEMBLY, Teflon ring, Fluoropolymer, .....   | 1    |            |                                                      |                                                      |      |
|      |             | EPDM O-ring .....                                    | 1    |            |                                                      |                                                      |      |
|      | 58-1338 93  | PISTON ASSEMBLY, Teflon ring, Fluoropolymer, .....   | 1    |            |                                                      |                                                      |      |
|      |             | VITON O-ring .....                                   | 1    |            |                                                      |                                                      |      |

\*Certain pump parts are available in several materials. Use the first 3 digits of your model number to select the proper "O" rings and gaskets from the following chart.

POLYESTER

RYTON®

FLUOROPOLYMER

| MODEL | "O" RING | GASKET       |
|-------|----------|--------------|
| HPV   | VITON    | VITON        |
| HPN   | VITON    | CORK-NITRILE |
| HPE   | EPDM     | EPDM         |
| HRV   | VITON    | VITON        |
| HRN   | VITON    | CORK-NITRILE |
| HRE   | EPDM     | EPDM         |
| HHV   | VITON    | VITON        |
| HHE   | EPDM     | EPDM         |

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## PACER® PUMPS

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