

# AERON ENGINEERING

## TECHNICAL CATALOGUE OF MECHANICAL ACTUATED DOSING PUMP WITH PERFORMANCE TABLE



| PUMP SPEED - 100 SPM (NOMINAL)<br>GEAR RATIO 15:1 MOTOR 1500 RPM |                       |                  |              | MODEL | PL.<br>Dia<br>mm | Max.<br>Pr.<br>Kg/cm <sup>2</sup> | PUMP SPEED - 185 SPM (NOMINAL)<br>GEAR RATIO 8:1 MOTOR 1500 RPM |                       |                  |              |
|--|-----------------------|------------------|--------------|-------|------------------|-----------------------------------|---|-----------------------|------------------|--------------|
| Cap.<br>LPH  | Suc. Del.<br>mmNB/BSP | % Of<br>Max. Pr. | Motor<br>k.w |       |                  |                                   | Cap.<br>LPH   | Suc. Del.<br>mmNB/BSP | % Of<br>Max. Pr. | Motor<br>k.w |
| 1.5  | 15                    | ALL              | 0.37         | MDI-I | 4                | 2.8                               | 8   | ALL                   | 0.37             |              |
| 2.8  | 15                    |                  |              |       |                  | 5                                 | 8   |                       |                  |              |
| 4.2  | 15                    |                  |              |       |                  | 7.8                               | 8   |                       |                  |              |
| 6.1  | 15                    |                  |              |       |                  | 11.3                              | 8   |                       |                  |              |
| 11   | 15                    |                  |              |       |                  | 20                                | 15  |                       |                  |              |
| 17   | 15                    |                  |              |       |                  | 31                                | 15  |                       |                  |              |
| 24   | 15                    |                  |              |       |                  | 45                                | 15  |                       |                  |              |
| 48   | 15                    |                  |              |       |                  | 80                                | 15  |                       |                  |              |
| 68   | 15                    |                  |              |       |                  | 125                               | 15  |                       |                  |              |
| 82   | 15                    |                  |              |       |                  | 152                               | 15  |                       |                  |              |

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| PUMP SPEED - 100 SPM (NOMINAL)<br>GEAR RATIO 15:1 MOTOR 1500 RPM |                       |                  |              | MODEL   | PL.<br>Dia<br>mm | Max.<br>Pr.<br>Kg/cm <sup>2</sup> | PUMP SPEED - 185 SPM (NOMINAL)<br>GEAR RATIO 8:1 MOTOR 1500 RPM |                       |                  |              |
|--|-----------------------|------------------|--------------|---------|------------------|-----------------------------------|---|-----------------------|------------------|--------------|
| Cap.<br>LPH  | Suc. Del.<br>mmNB/BSP | % Of<br>Max. Pr. | Motor<br>k.w |         |                  |                                   | Cap.<br>LPH   | Suc. Del.<br>mmNB/BSP | % Of<br>Max. Pr. | Motor<br>k.w |
| 31   | 15                    | ALL              | 0.37         | MDI-II  |                  | 4                                 | 68  | 15                    | 100              | 0.75         |
| 49   | 15                    |                  |              |         |                  |                                   | 98  | 15                    |                  |              |
| 87   | 15                    |                  |              |         |                  |                                   | 174   | 15                    |                  |              |
| 136  | 15                    |                  |              |         |                  |                                   | 271   | 25                    |                  |              |
| 164  | 25                    |                  |              |         |                  |                                   | 328   | 25                    |                  |              |
| 195  | 25                    |                  |              |         |                  |                                   | 391   | 25                    |                  |              |
| 247  | 25                    |                  |              |         |                  |                                   | 495   | 25                    |                  |              |
| 326  | 25                    | ALL              | 0.75         | MDI-III |                  | 4                                 | 652   | 40                    | 50               | 1.1          |
| 358  | 25                    |                  |              |         |                  |                                   | 716   | 40                    |                  |              |
| 381  | 25                    |                  |              |         |                  |                                   | 761   | 40                    |                  |              |
| 433  | 25                    |                  |              |         |                  |                                   | 866   | 40                    |                  |              |
| 571  | 25                    |                  |              |         |                  |                                   | 1142  | 40                    |                  |              |

## MOC CHART

| SR NO. | DESCRIPTION | MOC  | SR NO. | DESCRIPTION      | MOC                      |
|--------|-------------|--|--------|------------------|--------------------------|
| 1      | PLUNGER     | EN 8   | 4      | NRV SEALING RING | PTFE                     |
| 2      | LIQUID HEAD | SS 304, SS 316, HASTALLOY, ALLOY 20, PP, PVC, PTFE | 5      | NRV BALLS        | SS, PTFE, GLASS, CERAMIC |
| 3      | NON RETURN  | SS 304, SS 316, HASTALLOY, ALLOY 20, PP, PVC, PTFE |        |                  |                          |

## FEATURES

- **MULTIPLE HEAD PUMPS WITH COMMON DRIVE FOR MIXING TWO OR MORE LIQUID IN A DESIRED RATIO. THE RATIO CAN BE EASILY RESET.**
- **THE DESIGN & PERFORMANCE OF PD SERIES PUMPS CONFORMS TO API675.**

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