Powder Transfer System

Transfer and handle your dry process powders faster, cleaner and at a fraction of the cost associated with installed “systems.” Consistent trouble-free transfer of powders up to 45-lbs. per cubic foot (721 kgs. per cubic meter) dry-weight, such as carbon black, expanded mica, silicones, acrylic resins, 3D printing powders and pharmaceuticals.


- Reduce Airborne Contamination - With direct transfer from the powder container to your recipe.
- Unique Patented Air-Induction System - Avoids the possibility of powder pack-out.
- Portable - Can be moved from site to site.

1. **Delay Timer**
   Built-in timer insures proper fluidization of the powder before start-up.

2. **Air Filter/Regulator**
   Included with pump.

3. **Main Air Control Valve**
   Directly controlled by the Delay Timer, main start-up valve supplies air pressure directly to the pump’s major air valve.

4. **Pump Major Air Valve**
   ARO’s Air valve features patented, stall-free design.

5. **4-Way Air-Efficiency Valve**
   Reduces the amount of air or other inert gas required for operation. A critical cost and energy-saving feature.

6. **Air Induction Valve**
   Special valve increases air velocity for optimum powder aeration and diffusion.

See reverse side for ordering information.
### Ordering

<table>
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<tr>
<th>Position</th>
<th>1</th>
<th>2</th>
<th>3</th>
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**Position 1**  
**Model Series**

- PP10A - 1” Port
  - **Position 2** Connections
    - A - 1-11-1/2 N.P.T.F - 1
    - B - Rp1 (1-11 BSP)
  - **Position 3** Wetted Parts
    - A - Aluminum
    - S - Stainless Steel
  - **Position 4** Hardware
    - P - Plated Steel
    - S - Stainless Steel
  - **Position 5** Seat Material
    - A - Santoprene
  - **Position 6** Ball Material
    - A - Santoprene
  - **Position 7** Diaphragm Material
    - A - Santoprene
    - M - Medical Grade Santoprene

<table>
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<tr>
<th>Position</th>
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**Position 1**  
**Model Series**

- PP20A - 2” Port
  - **Position 2** Connections
    - A - 2-11-1/2 NPTF - 1
    - B - Rp2 (2-11 BSP Parallel)
    - C - 2” ANSI DIN Flange
  - **Position 3** Wetted Parts
    - A - Aluminum
    - S - Stainless Steel
  - **Position 4** Hardware
    - P - Plated Steel
    - S - Stainless Steel
  - **Position 5** Seat Material
    - A - Santoprene
  - **Position 6** Ball Material
    - A - Santoprene
    - M - Medical Grade Santoprene
  - **Position 7** Diaphragm Material
    - A - Santoprene
    - M - Medical Grade Santoprene

<table>
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<tr>
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</tbody>
</table>

**Position 1**  
**Model Series**

- PP30A - 3” Port
  - **Position 2** Connections
    - A - 3-8 NPTF - 1
    - B - Rp3 (3-8 BSP Parallel)
    - F - 3" ANSI/DIN
  - **Position 3** Wetted Parts
    - A - Aluminum
    - S - Stainless Steel
  - **Position 4** Hardware
    - P - Plated Steel
    - S - Stainless Steel
  - **Position 5** Seat Material
    - A - Santoprene
  - **Position 6** Ball Material
    - A - Santoprene
  - **Position 7** Diaphragm Material
    - A - Santoprene

### Accessories

**Service Repair Kits**  
- 637397 (air motor PP10A)
- 637401-XX (fluid section PP10A)
- 637421 (air motor PP20A), 637421 (air motor PP30A),
- 637309-XX (fluid section PP20A),
- 637303-XX (fluid section PP30A)

**Suction Probe**  
- 67183-1 (10ft Long Hose with 2” Diameter. For PP20A & PP30A)

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ARO® is a brand of Ingersoll Rand. Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a $13 billion global business committed to a world of sustainable progress and enduring results. For more information, visit www.ingersollrand.com.

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