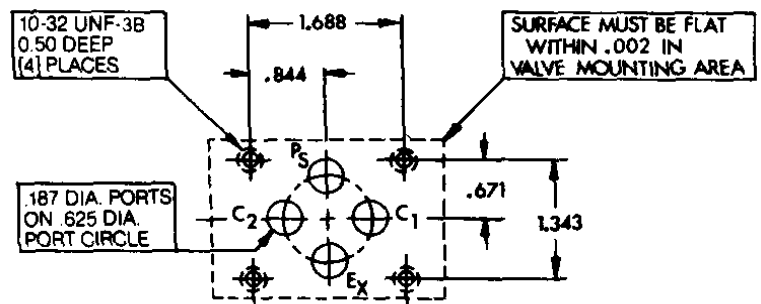


**NEW!**

**Hunkar HYDRO-JET 2**  
**5 GPM Servo Valve**

**Fixed Null Accuracy - Highly Dirt Tolerant**



REQUIRED MOUNTING PATTERN

Hunkar Laboratories presents the latest innovation in blow molding **Servo Valve** technology. The **HYDRO-JET 2** dirt tolerant valve is so stable it now requires **NO Null Adjustment**. HYDRO-JET 2 has a null stability of 5% of rated current throughout its entire useful life, so it does not require any null adjustment. Additionally, the first stage jet-pipe within the unit will pass 130 micron particles without failure.

The HYDRO-JET 2 has a resolution of ¼% of rated current, delivering substantially improved precision compared to other jet valves used in the industry today. The efficient four air gap torque motor drives the jet-pipe hydraulic preamplifier and controls the second stage spool. HYDRO-JET 2 has been developed and constructed to withstand the most demanding plastics blow molding applications.

**Features**

- High tolerance to contamination. The first stage jet-pipe will pass 130 micron particles without failure. It is protected by a proprietary 90 micron absolute strainer.
- The second stage is precisely controlled by a high gain frictionless force feedback servo system.
- Dry torque motor in a sealed housing
- Compact smaller design profile

**Performance Specifications**

- ✓ Rated Flow: 5 GPM ±5% \*
- ✓ Hysteresis: Normally less than 3% of rated current
- ✓ Resolution: ¼% of rated current
- ✓ Linearity: 5% of rated current
- ✓ Frequency Response: -3dB as 60 Hz
- ✓ Pressure Gain: 25% of System Pressure/1% of rated current
- ✓ Null Shift vs. Supply Pressure: 2%/1000 PSI
- ✓ Null Shift vs. Oil Temperature: 2%/100° F
- ✓ Total Internal Leakage: Less than 0.35 GPM at 1000 PSI

\* Rated Flow: 16 GPM also available.

**Benefits**

- Continuous operation despite mild hydraulic oil system contamination.
- **Zero maintenance** and smooth operation.
- Easy replacement on old machines.
- Fits a wide range of machines.
- Economical replacement for most servo valve brands.
- Rapid, simple bolt on installation.
- Durable construction for long service life.
- Accurate, smooth and repeatable performance.

**System Requirements**

- ✓ Operating Fluid: High Grade Petroleum oil, 100 to 150 SSU at 100° F.
- ✓ Filtration: 75 micron absolute (or better) pressure line filtration, non by-passable with 3000 PSI element.
- ✓ Operating Supply Pressure: 1000 to 3000 PSI
- ✓ Operating Temperature: 40 to 250° F.
- ✓ Rated Electrical Input: 70 MA into 80 Ω (5.6V)

**Recommended Accessories**

- ✓ Manifold P/N 86033
- ✓ Flushing Block P/N 86041