



# UNIFY™ Pre-assembled Manifold System

Out of the crate, into the mold, and in production fast

## Benefits

- One-step installation ensures the mold is in production as quickly as possible
- Easy maintenance, saves time and cost with one-step removal from the mold
- Leak-proof UltraSeal® technology
- Three-year Leak-proof Guarantee

## Features

- Choice of hydraulic or pneumatic valve gate actuation or a variety of thermal gate nozzles
- Electrical, water and hydraulic/air lines mounted to a custom rigid frame matching the mold layout
- Nozzles self-align to gates during installation without pre-heating the system, reducing the possibility for tip damage
- Proven performance with Husky standard nozzles

## Saves up to 70% of the installation time vs. other pre-assembled systems

Husky's new UNIFY™ manifold system provides a simple, one-step installation of the hot runner manifold into a mold without needing to pre-heat the system, providing customers with a system that can save up to 70% of the installation time.

Fully customizable to the needs of the mold, UNIFY™ manifold systems are pre-wired and pre-assembled at Husky prior to shipping, ensuring quick installation into the mold. Upon arrival the UNIFY™ system simply requires uncrating, dropping into the mold, and connection of the services. The water, oil/air, and electric connectors chosen are all on clearly marked and easy to access mounting plates. All service lines and wires are attached to a custom rigid frame matching the mold layout, further simplifying installation into the mold.

## UltraSeal® leak-proof technology

The UltraSeal® design allows the nozzles to slide relative to the manifold during installation, aligning themselves to the gates while still providing the leak-proof performance of a screwed in nozzle. This removes the time requirement and safety concerns of pre-heating systems that use screwed in nozzles.

UltraSeal® technology prevents leakage at start-up, even if the hot runner is not within its operating window. It also comes with a three-year leak-proof guarantee. The UltraSeal® design keeps the nozzles aligned to the mold gates in cold condition, at operating temperature, and anywhere in between.

- Nozzles are pre-loaded to the manifold providing leak-proof operation in cold condition

**HUSKY®**

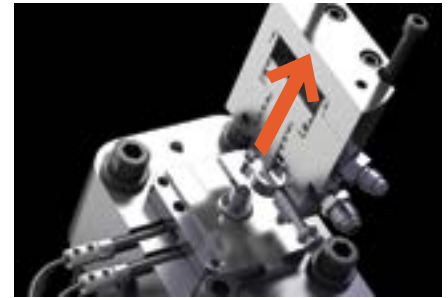
*Keeping our customers in the lead*



Access to hoses and wires is simple. Wire channels are covered by easy clips removable by hand, no tools required



Quick, simple removal and installation of actuator components



- Leak-proof operation covering a wide processing window (up to +/- 100°C)
- UltraSeal® spring pack provides protection against nozzle and plate damage if an overheat occurs

### Easy to Install

UNIFY™ nozzles come pre-aligned with the mold allowing one-step installation. Nozzles are positioned to fit the mold seat, simplifying installation. There is also no need to heat the system during assembly. All of these features simplify and reduce installation time and reduce the risk to the tips during installation.

### Mold Friendly

UNIFY's customized rigid frame allows for simple handling of the system during installation and maintenance. The design is also flexible as it matches the mold layout reducing cutouts around the manifold.

The UNIFY™ nozzle bore is extremely compact while maintaining the same melt channel size. This functionality is critical to maintain steel in the molds and to keep cooling lines close to the gate.

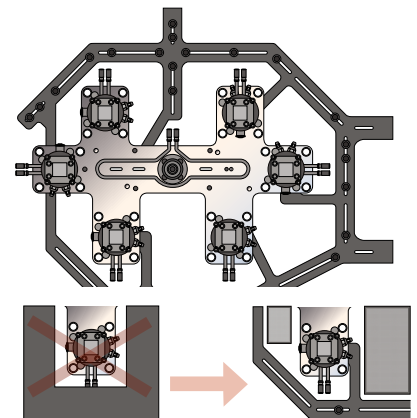


Oil and water fittings have different threads to avoid mismatch during maintenance

### Easy to Maintain

The actuator can be removed in three easy steps:

1. Open the pin with the screwdriver
2. Remove four screws
3. Lift the actuator out of the mold by hand providing full access to the stem without uninstalling the system from the plates and mold



Customized rigid frame

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