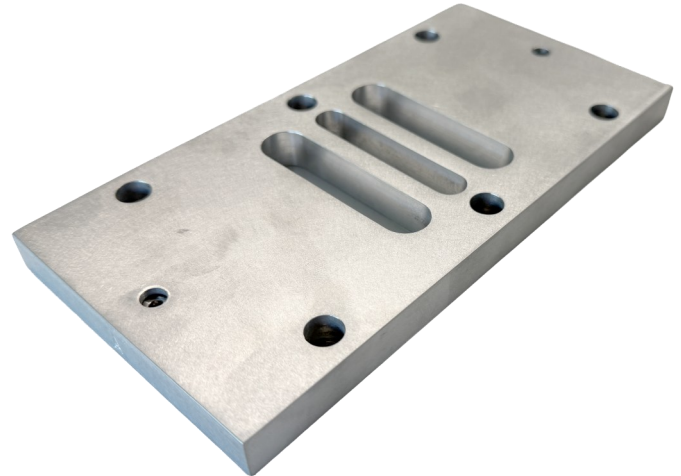


Automatic Smart Plate

ASP-458

The ASP-458 kit incorporates an upgraded Automatic Smart Plate (ASP) specifically for use with Yamada NDP-40, NDP-50, and NDP-80 series AODD pumps. The ASP is designed to improve the reliability and consistency of air valve operation, helping minimize the potential for pump hesitation during demanding operating conditions.

By optimizing air valve actuation, the ASP helps the pump transition smoothly and consistently through each operating cycle. This improved actuation can reduce erratic or incomplete cycling, supporting more dependable pump operation and helping maintain consistent flow. The upgraded ASP also helps reduce unnecessary stress and wear on internal air valve components, which can contribute to extended component life and improved overall pump reliability.



The ASP (805438) is integrated into the 805439 kit and works in conjunction with the already reliable non-lubricated NDP valve. Together, these features help maintain proper air valve operation with minimal manual adjustment or intervention. The result is a more dependable and consistent air distribution system designed to support reliable pump performance over extended periods of operation without intervention or help.

ADVANTAGES

- **Reduced pump hesitation:** Minimizes the risk of the AODD pump stopping or becoming stuck during operation.
- **Longer component life:** Reduced wear can extend the service life of the air valve and related internal components.
- **Improved operating efficiency:** Supports smooth and responsive air valve operation for more consistent pump performance.
- **Automatic operation:** Works with the NDP Valve system to provide reliable valve actuation without frequent manual intervention.
- **Self-calibrating design:** Automatically adjusts during operation to maintain proper performance as operating conditions change.
- **Easy retrofit:** Designed as an upgrade to improve the operation of existing compatible AODD pumps without requiring a complete pump replacement (metal center body).
- **Reduced internal wear:** Optimized valve actuation helps minimize stress and wear on internal components.
- **Improved pump reliability:** Promotes consistent and dependable pump cycling under varying operating conditions.