

Melt Relief Cylinder and Stand Off Improvement

This posting targets the replacement of the air cylinder and spacer only for machines that already have a TSDSF-0108 style melt relief valve assembly, but without the newer designed air cylinder and with an aluminum spacer (5.5" by 3.75" by 2.12" tall) under the air cylinder instead of standoffs.

For older machines that do not have the style of melt relief assembly with the larger bore cylinder and spacer block, this retrofit will not work because the original design does not allow room for the new stand-offs or the new air cylinder. In order to improve these older assemblies please refer to TSDSF-0108.

Melt Relief Design Factors

The melt relief valve cylinder is attached to the side of the melt relief valve body and actuates the relief valve stem to open or close the passageway for dumping plastic. This area has always been adversely affected by high heat, and Uniloy has continuously striven to improve the machines performance in this area. This mailing enables you to benefit from the latest improvements:

New improved rod seal design will increase the seal life by a factor of two.

The new stainless steel piston rod helps keep heat away from the seals by dissipating it faster.

Stainless steel stand-offs replace the aluminum spacer to decrease the area of heat retention and to also help dissipate the heat away from the rod seals.

The combination of these changes provides for longer seal life, which then in turn computes into less downtime and maintenance.

Retrofit Package Description, Installation, and Delivery

We estimate 1 hour to remove the existing cylinder and components and to install the new parts. Please allow up to 4 - 6 weeks for component delivery.

Melt Relief Cylinder Retrofit

Includes:

Air Cylinder

Stainless steel standoffs (4)