

SEALS

Hythane® piston seals are standard on the Royal TH-Series. The rod seal is a high performance, high temperature seal compound having ultra low friction and long seal life. Both piston and rod seals have a temperature range from -40 to 230°F. The **Hythane**® rod wiper, with internal ribs for extra stability and prevention of pressure trapping, cleans the rod on the return stroke. The static external seal is Buna-N material. Other seal options are available – contact our factory for more information.

GLAND BUSHING

The gland bushing is manufactured from Rotocast bronze for low friction and long bearing life. Other high wear resistant materials such as Zinc-alloy are available upon request. Optional gland bushings with wear rings are available in most rod sizes – contact our factory for more information.

THREADED LOCKING PISTON DESIGN

The TH-Series incorporates a threaded piston for maximum strength. The piston is designed with a blind bore and rear set screws design for locking the piston to the rod.

HEADS

Heads are precision machined from high quality cold finished steel for perfect alignment of barrel and moving parts.

ONE-PIECE PISTON

The piston is a one-piece design, incorporating a replaceable wear ring to prevent contact with the barrel and increase the life of the cylinder.

SAE PORTS

SAE O-Ring Boss ports are the standard port on the TH-Series cylinders. SAE CODE 61 Flange ports are also available, or Manifold Transition Mount. See Port Options section for details.

OPTIONAL INTERNAL / EXTERNAL PISTON STOP

Standard internal and external piston stops are available to reduce side load stress on the piston rod, gland bushing and piston for all cylinder sizes.

CYLINDER FLUSHING

A cylinder flushing service is available as a standard option. To choose this, select “-F” in the Options section of the Cylinder Nomenclature. This service is **included** when a subplate with plumbing is ordered with your cylinder.

CUSTOM CYLINDERS

If our standard product does not meet your specifications, Westcoast Cylinders will manufacture custom cylinders to meet your requirements. Please contact our factory.

SPARE PARTS

Genuine Royal seal kits include all seal components and wear rings. Please specify genuine Royal replacement parts to ensure you will receive all feature benefits.

All Positioner components may be purchased separately as spares.

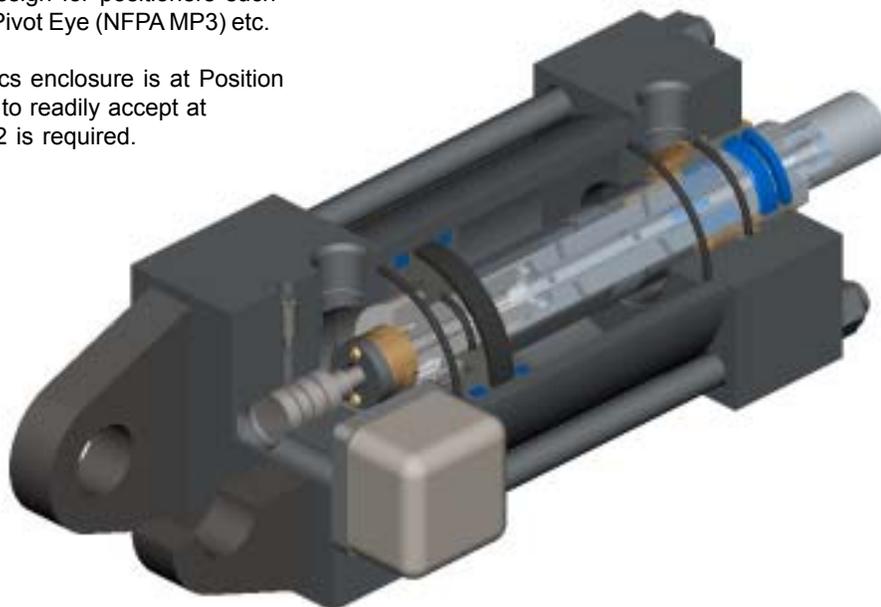
* *Hythane*® is a registered trademark of Hallite Seals International Ltd.

T4H-SERIES:

INTERNALLY MOUNTED SENSOR - EXTERNALLY MOUNTED ELECTRONICS

The **internal** sensor arrangement allows remote mounting of the electronics. This permits a compact design for positioners such as the Fixed Clevis (NFA MP1) or the Pivot Eye (NFA MP3) etc.

The standard position for the electronics enclosure is at Position 4 as shown, but the head is machined to readily accept at Position 2. Please indicate if Position 2 is required. The unused port is plugged.



**T3H-SERIES:
EXTERNALLY MOUNTED SENSOR (PROBE) C/W ELECTRONICS**

