

Thomson CHEM-3

General service pump and
valve packing



FEATURES / BENEFITS

- **Non-abrasive:** save on shaft sleeves.
- **Non-contaminating:** will not degrade product.
- **High heat conductivity:** longer life.
- **Non-asbestos:** reduces handling cost.
- **Broad chemical compatibility:** save on inventory costs, reduces maintenance costs.

TYPICAL APPLICATIONS

- Extreme corrosive service such as strong caustics, acids, pulp stock and other slurries.
- Medium pressure valves and pumps.
- Mixers, autoclaves and reactors - due to high resiliency of Thomson CHEM-3 packing.

SPECIFICATIONS

Construction:

Teflon[®] impregnated, high strength, carbon yarn with break-in lubricant. Square Interbraid.

Temperature, max:

To 600°F (315°C)

Pressures:

To 500 psi rotary (35 bar)

Speed:

To 2200 fpm

pH range:

0–14 (except strong oxidizers)

See reverse for ordering information.

ORDERING INFORMATION - CHEM-3

Specify Thomson style, size and quantity (lbs) required.

Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"
Approx. (ft/lb)	86.2	37	27	18.5	13.3	9.6	6.7	6.3	5.1	3.5	2.9	2.4
Std pkg (lbs)	1	1	2	2/5	1/5	2/5	5/10	5/10	5/10	10/25	10/25	10/25

Also available in metric sizes, die formed pre-packaged sets, and specialty cut lengths.
Contact A.R. Thomson Group for any special requirements.

SHAFT SPEED CONVERSION CALCULATIONS

Feet per minute (fpm)	Meter per second (m/s)
Shaft / sleeve diameter (in) x RPM x 0.262 = fpm	Shaft / sleeve diameter (in) x RPM x 0.0013299 = m/s
Shaft / sleeve diameter (mm) x RPM x 0.0103 = fpm	Shaft / sleeve diameter (mm) x RPM x 0.0000524 = m/s

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