

## 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<sup>®</sup> impregnated, high strength, carbon yarn with break-in lubricant. Square Interbraid.

**Temperature:**

Min: -328°F (-200°C)

Max: +536°F (+280°C)

**Pressures, max:**

4351 psi (300 bar) static

1450 psi (100 bar) reciprocating

362 psi (25 bar) rotating

**Speed:**

To 3000 fpm (15 ms)

**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"
<b>Approx. (ft/lb)</b>	79.4	47.2	27.5	18	12.1	8.8	6.7	4.7	4.4	3.1	2.4	1.8
<b>Std pkg (lbs)</b>	1	1	2	2	5	5	5	5	10	10	10	10

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

## AUTHORIZED DISTRIBUTOR

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