

Thomson CHEM-3



General service pump and rotary equipment.

FEATURES / BENEFITS

- Non-abrasive: save on shaft sleeves.
- Non-contaminating: will not degrade media.
- High heat conductivity: longer life.
- 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.

Max Speed:

To 3000 fpm (15 m/s)

Temperatures:

Min: -328°F (-200°C)

Max: 600°F (315°C)

Max Pressure:

4351 psi (300 bar) static

1450 psi (100 bar) reciprocating

362 psi (25 bar) rotating

pH range:

0–14 (except strong oxidizers)

Teflon® is a registered trademark of Dupont. All trademarks remain property of their respective holders and are used only to directly describe the products being provided.

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/lbs)	79.4	47.2	27.5	18	12.1	8.8	6.7	4.7	4.4	3.1	2.4	1.8
Std pkg (lbs)	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

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