

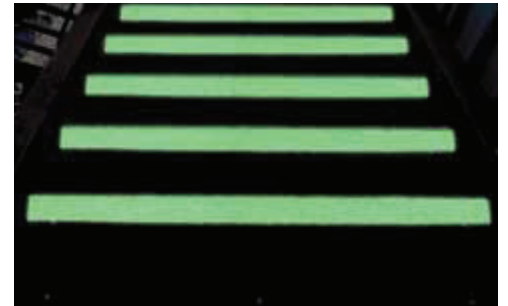
**Hi-Traction Covers for
Oil & Gas Exploration and Production**



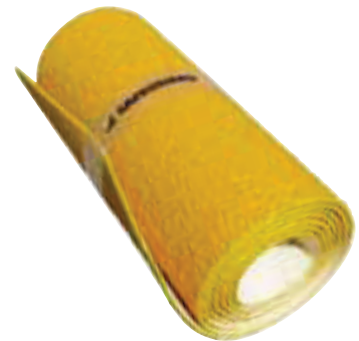
**HiGlo-Traction™, Glo Safety Yellow
Step Cover (Daytime)**



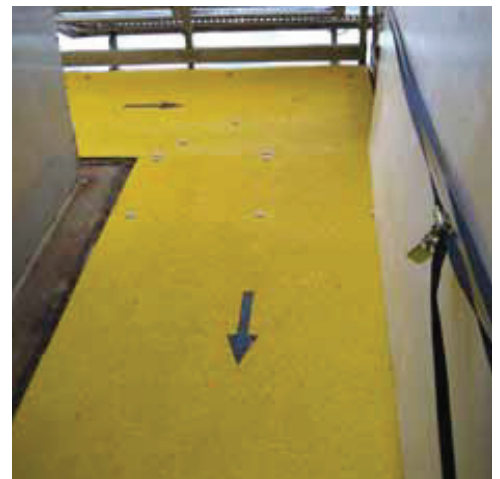
**HiGlo-Traction™, Glo Safety Yellow
Step Cover (Nighttime)**



**SAFEGUARD® Roll-Traction™
Anti-Slip Walkway Mat**



Safeguard® HiGlo-Traction™ Walkway Covers



2000P PRESSURE GAUGE SYSTEM



2021 PRESSURE TRANSMITTER SYSTEM



2400 PRESSURE GAUGE SYSTEM



M100 PRESSURE GAUGE SYSTEM



2100 PUMP STROKE COUNTER SYSTEM



2200 CHOKE POSITION INDICATOR SYSTEM





CIG-BTY

Ciglow Flameless Cigarette Lighter

Battery Powered Unit for Wind or Solar Power
IP66 Rated; suitable for use in all weather conditions



CIG-UN

Ciglow Flameless Cigarette Lighter

Wall Mounted Lightweight Unit IP44 rated; suitable for
indoor use



ROUGH RIG

DRILL PIPE PROTECTORS PROTECTION FOR ALL APPLICATIONS



STEEL DRILL PIPE PROTECTORS

FEATURES AND BENEFITS

- Uncompromising, heavy-duty protection of the entire thread form
- Provides protection even in extreme weather
- Extra-heavy steel construction
- Thread form and size permanently stamped on part
- Easy installation and removal
- Available in both API and Premium
- CNC precision cut threads

APPLICATIONS

Drill pipe: 2-³/₈" through 7-⁵/₈"



HEAVY-DUTY PLASTIC DRILL PIPE PROTECTORS

FEATURES AND BENEFITS

- Complete coverage of entire thread form and seal area on both internal and external threads
- Ideal for all grades of pipe, especially alloy grade
- Rugged thread impact protection and sealing abilities
- Performs in long-term storage and handling situations
- Available in both API and Premium
- Made from HDPE resins
- 100% recyclable

APPLICATIONS

Drill pipe: 2-³/₈" through 7-⁵/₈"

LIGHTWEIGHT PLASTIC DRILL PIPE PROTECTORS

FEATURES AND BENEFITS

- Designed for environmental protection
- Short-term applications only
- Can be used for API applications
- Made from HDPE resins
- 100% recyclable

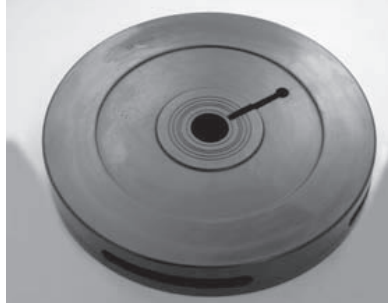
APPLICATIONS

Drill pipe: 2-³/₈" through 7-⁵/₈"

PIPE WIPERS

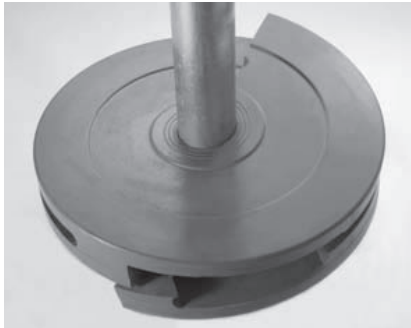
Regular Dual Wipers

Part Number	Description	Weight (lbs)
80-100-RD-14	14" Regular Dual	16
80-100-RD-17	17" Regular Dual	23
80-100-RD-19	19" Regular Dual	30
80-100-RD-22	22" Regular Dual	48



Split Dual Wipers

Part Number	Description	Weight (lbs)
80-100-SD-14	14" Split Dual	16
80-100-SD-17	17" Split Dual	23
80-100-SD-19	19" Split Dual	30
80-100-SD-22	22" Split Dual	48
80-100-SD14R	14" Split Dual, Red	16
80-100-SD17R	17" Split Dual, Red	23
80-100-SD19R	19" Split Dual, Red	30
80-100-SD22R	22" Split Dual, Red	48



Type F Wipers

Part Number	Description	Weight (lbs)
80-100-TF09	9" Type "F"	3
80-100-TF09 W/O	9" Type "F", W/O Insert	3
80-100-TF12	12" Type "F"	5
80-100-TF12 W/O	12" Type "F", W/O Insert	5
80-100-TF14	14" Type "F"	6
80-100-TF14 W/O	14" Type "F", W/O Insert	6
80-100-TF17	17" Type "F"	12
80-100-TF19	19" Type "F"	18
80-100-TF22	22" Type "F"	19
80-100-TF26	26" Type "F"	26
80-100-TF14R	14" Type "F", Red	6
80-100-TF17R	17" Type "F", Red	12
80-100-TF19R	19" Type "F", Red	18
80-100-TF22R	22" Type "F", Red	19
80-100-TF26R	26" Type "F", Red	26



NOTE: All pipe wipers molded to fit 2 3/8" pipe wiper cutter assembly available upon request



ROUGH RIG

WORK SHOES, COVERALLS & SAFETY MATERIALS



Perfect



our Passion
perfection is our passion. So we obeys
perfection while manufacturing each
products from Rough rig

Safety



Our ultimate Vision
The Ultimate vision of Rough rig is to
provide most safest products for the indus-
try and workers.

Experience



Our Certification
We are certified in production and distri-
bution, shows the experience of manufac-
turing the safety products.

Comfortable



Our Technology
All products from Rough rig are most
comfortable for working and wearing. So
the users are comfortable.



Vapro offers a wide range of environmentally friendly VCI (Vapour Corrosion Inhibitor) products and solutions suited for industrial, commercial and defense industries.

VCI Emitter

VCI Pouch

VCI Film

VCI Paper

VCI Oil & Coating

VCI Powder

VCI Additives

VCI Oilfield Products

VCI Lubricants

VCI Gun Lubricants

VCI Cleaners

VCI Aerosols

VCI Masterbatches

CRI Concrete Rebar Inhibitors

VAPPRO VCI

Emitter



VAPPRO VCI

Pouch



VAPPRO VCI

Film



VAPPRO VCI

Oilfield Products



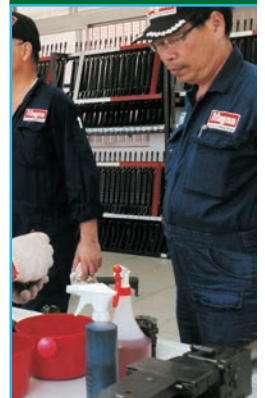
VAPPRO VCI

Lubricants



VAPPRO VCI

Gun Lubricants



TOTAL PROTECTION

Vapro VCI protects all recessed areas and cavities and works on all metal surfaces in an enclosed atmosphere. In an enclosure, VCI emits molecules to a point of saturation within 12-24 hours. In the presence of moisture, these VCI molecules hydrolyze to form VCI ions. The Vapro VCI ions are attracted to metal surfaces to form a thin mono-molecular protective layer over the metal surface. These ions passivate the metal and cause it to be inert to corrosion. The vapour covers all surfaces including crevices, cavities and all inaccessible areas sealing them to provide total protection.

Eliminate oiling process

Vapro VCI gives total corrosion protection during shipment or storage

Finish Product After Assembly

Wrap Equipment or Parts with Vapro VCI Film Packaging



BESTOLIFE™

PREMIUM COMPOUNDS

BESTOLIFE ZN-50



BESTOLIFE ZN-60



COPPER JOINT



COPPER SUPREME SPECIAL BLEND®





SEALING COMPONENTS

Over 150 elastomeric compounds to solve unique customer problems - From 9 different base polymers
- Material temperature ratings from -65°F to 615°F (-53°C to 320°C) - Continuous custom molding capabilities



SEAL-CONNECT®



ARLON® 2400
High-Temperature Thermoplastic Material



MSE Seal



CGT™ RINGS

Extreme Electrical Connectors





CLIMAX LUBRICANTS & EQUIPMENT CO.[®]

Climax Lubricants & Equipment Co.[®] is a plug, ball and gate valve lubricant and sealant manufacturer.

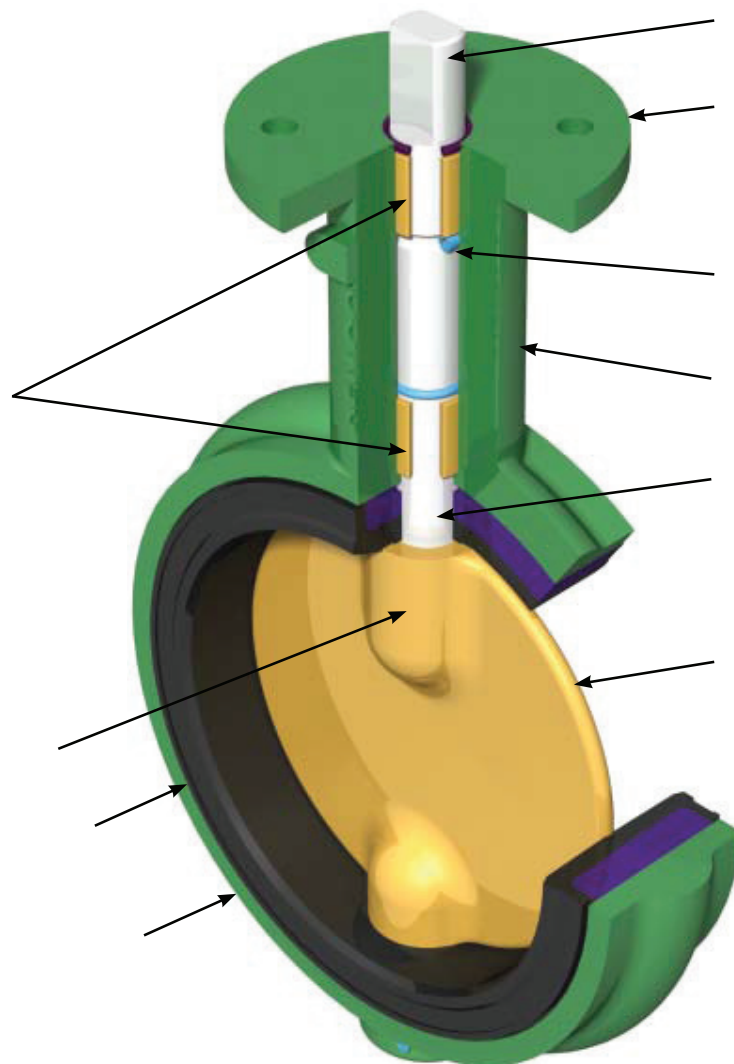
Climax lubricants are made of the finest materials obtainable. They are constructed to act as a hydraulic medium to lift tapered plugs and seal against leakage. They also provide lubrication in order to make the valve operate at its lowest torque. You will notice we use a color code system in our lubricants (black, amber, green, red, etc.) so there will be no confusion over which lubricant to use for a particular service.



SEALANTS

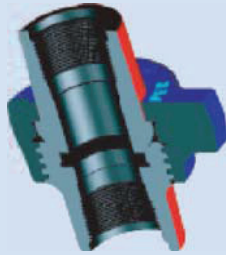


Lubricant Guns

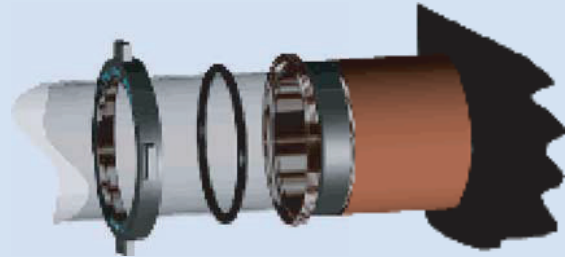


KEMPER

VALVE & FITTINGS CORPORATION



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Msiira
nrs



.llhTafs P
dlftIT



nAf'r PtfIT



tlparrPslePs 'rT



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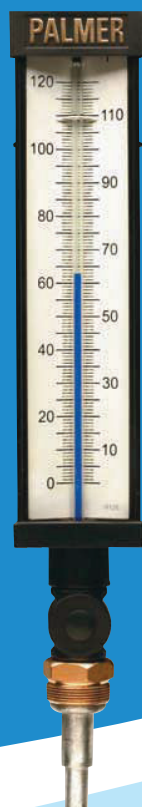
PALMER **Wahl**

INSTRUMENTATION GROUP

America's First Manufacturer of Precision
Industrial Temperature and Pressure Instrumentation

*Celebrating
Innovation
since
1836*

- FIRST Thermometer in America - The Foster Cup
- FIRST Red-Reading-Mercury Thermometer
- FIRST Direct Drive Double Wound Coil for Dial Thermometers
- FIRST Miniature Temperature Recording Labels
- FIRST Portable Digital Infrared Thermometer
- FIRST Replaceable Element Bimetal Thermometer
- FIRST Portable Digital Platinum-RTD Thermometer
- FIRST Thermocouple Surface Probe
- FIRST Universal Digital Soldering Iron Tester
- FIRST Sanitary Bimetal Thermometer
- FIRST Slip-Fit Bimetal Thermometer
- FIRST Self-Checking Digital Platinum-RTD Meter



Our Company

Palmer Instruments and Wahl Instruments, with more than a century of *Firsts* in temperature technology, have come together to offer a complete line of temperature, pressure, test and calibration instruments from our manufacturing facility in Asheville, North Carolina.

Family owned and operated, our history is built on our reputation of outstanding product development, quality, and customer service. Our future is dedicated to innovating more industry *Firsts* in instrumentation.

www.palmerwahl.com