



Your Artificial Lift Experts



Oilfield Equipment



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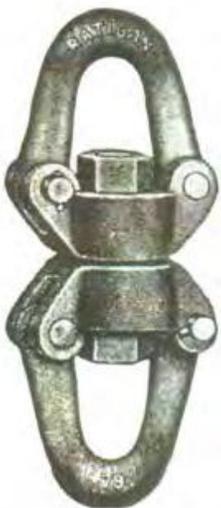
No. 14 Triangle "C" Link



The Ratigan Triangle "C" Link is made in three sizes with ranging from 20 tons to 40 tons. Their quick, safe means of connection has made them very popular and are used extensively in all major fields throughout the world.

Normal Length

No. 14	A Small	9"
No. 14	B Medium	10"
No. 14	C Large	13"



No. 79 Swivel Link

Normal Length 8"

The Ratigan No. 79 Swivel Link was designed for the use where head room is limited. It has a capacity of 50,000 pounds.

No. 142 Stringing-Up Link



The Stringing-up link is used instead of tying a loop in the wire line to make the connection desired. Babbit sockets take 3/4", 7/8" and 1" lines.

Capacity	20 Ton
Normal Length	8"

**No. 144
Combination Rod Wiper**



Specify size and thread of tee

The Ratigan Rod Wiper is an excellent combination of Bell Nipple and Rod Wiper. The rubber wiper is very easily removed, when replaced. The hole in the center of the rubber is one half inch and the largest rod coupling will pass through it very easily.

We stress the rod wiping feature of this tool as it eliminates the dangerous practice of stripping rods manually. Such a practice will impede the efficiency of the pulling crew.

The bell nipple is another important feature. The Rod wipe is screwed into the tee manually and tightened by hand. Made for 2", 2-1/2", 3", and 4" tubing tee.

Please order by name, number and size

**No. 51
Utility Hook**

The Ratigan No. 51 is an all-purpose hook, designed especially for strength and safe, easy handling that will prove extremely useful and valuable to have around any well or field shop. Quick-acting type, with a strong guard to prevent accidental unhooking once it is applied.



No. 106-H Sucker Rod Elevator



Normal Length 16"

Ratigan No. 106-H Elevator has latches in the back of the body. The body and latch assembly are heat treated to provide greater resistance to wear. The roustabout will find these elevators very light easy to handle.

The elevator is designed to take these sizes: 5/8" - 3/4": 3/4" - 7/8": 1" sucker rods, and 1-1/8" or 1-1/4" polish rods. It will not tip while holding a string of rods and will remain in perfect balance even when wear occurs on the seat. The seat encircles the upset of the rod in front and back rod the elevator. For correct use of elevator, the dogs should be level with the elevator body and facing upward, in which position the dogs prevent the rods escaping from the seat.

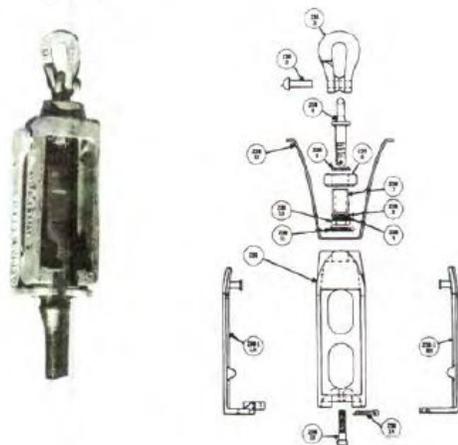
Normal Length

No. 91	Spring Type, with Long ball and Spring Cover	35"
No. 91	Spring Type, with Medium Ball	30"
No. 91	Less Spring, with Medium Ball	30"
No. 91	Less Spring, with Short Ball	24"
No. 193	Heavy Duty Hook Short Ball	26"
No. 183	Heavy Duty Hook Long Ball	36"

Ratigan Hooks are designed, so that it is very easy to place the elevator in the hook. The point of the hook protrudes sufficiently, so that the derrick man never misses putting the elevator in the hook.

Ratigan # 91 Hook has a capacity of 20 tons and # 183 hook a capacity of 40 tons. Three sizes of bails are interchangeable by means of quick acting lock pin assemblies. The latch is self locking. The latch and dog are opened only by hand.

No. 238 Transfer-Elevators



Please order by name, number and size



**No. 214
Tubing Tong**

Normal Length

Size 2"	28"
Size 2 1/2"	28"
Size 3"	28"

This tong with interchangeable jaws was designed for 1-1/4" and 1-1/2" macaroni tubing, also regular 2", 2-1/2" and 3" tubing.



**No. 92
Tubing Tong**

The Ratigan No. 92 has proved to be a very practical and valuable too! because of its improved design and many convenient features. The handle, for example will take three sizes of jaws - 2", 2-1/2", and 3"- which can be changed easily and quickly.

No. 137 Sucker Rod Coupling Wrench



The wrench is very practical for couplings with flats or wrench squares, as the bearing end of the screw is flat and case-hardened, and can be set up tight enough by hand against the flat of the coupling.



**No. 60 Snap Type
Rod or Coupling Wrenches**

No. 60-H with 18"	Round Handle
No. 60-B with 18	Flat Handle
No. 60-C with 23"	Flat Handle"

Heat treated for safety, speed and efficiency, made to fit any size sucker rod or sucker rod coupling. Specify size of sucker rod and size of flat of coupling when ordering.



No. 129 Polished Rod Grip Wrench

Normal Length 35"

The Ratigan No. 129 is a star head socket wrench is applied to the head of the screw in eight different positions. It is 35" long, giving plenty of leverage to tighten screws in the grip, and is made for 1-1/4" square. The wrench is strong enough to allow two men to exert full strength with no chance of slipping, and the extra leverage provided enables the operator to tighten the screw much easier.

No. 28 Brass Non-Spark Bell Nipples



This non-spark bell nipple is of the hinged type and was designed especially for the protection of the thread in the tubing tee when running in or pulling rods.

Please order by name, number and size



**No. 226 Shock Absorber
12" Centers**



**No. 220 Shock Absorber
7" to 9" Centers**

These shock absorbers have proved very popular in the field and are functioning with equal efficiency on both shallow and deep wells.

The breakage of sucker rods and polish rods is reduced considerably. The shock absorbers are beneficial to motors, engines, and gears by cushioning the impact of the well on the reversal of the stroke. They help materially, when the well is pounding fluid.

**No. 111 Shock Absorber 14" Centers
No. 232 Shock Absorber 16" Centers**



No. 219 Wire Line Clamp

For 3/4" to 1-1/4" line

No. 219 Wire Line Clamp

For 1-1/8", 1-1/4" & 1-3/8" Line



The Ratigan No. 219 Wire Line Clamp is our latest development in clamping devices. It is used on the deepest wells and will take any size of wire line from 3/4" to 1-1/4" inclusive. It is designed for any trunnion type pumping equipment such as carrier bars or polished rod grips used with horseheads.

It is an ideal unit for use in combination with the Ratigan Shock Absorbers - a pumping combination that is unsurpassed for safety, efficiency and economy in operation.

Carrier Bars

No. 120	12" Centers
No. 22	9" Centers
No. 78	5" Centers





**No.103 and No. 156
Wheel Type Safety Rod Wrenches**

No. 103	36" Diameter
No. 156	56" Diameter

Ratigan Wheel Type Rod Wrenches are designed especially for safety, speed and convenience and specifically for twisting a string of sucker rods. When mechanical trouble in the well makes the unscrewing of the rods a difficult and dangerous task, the Ratigan Wheel Wrenches should be used to provide the solution of the problem and guarantee absolute safety to roustabouts. There is ample room for three men to position themselves around the wheel wrench.

The body of the wrench will clamp rods from 1/2" to 1-1/4" inclusive. These wheel wrenches are also made for 1-1/2" rods only. The entrance of the body of the wrench should be closed at all times. A threaded movable sleeve closes the wheel.



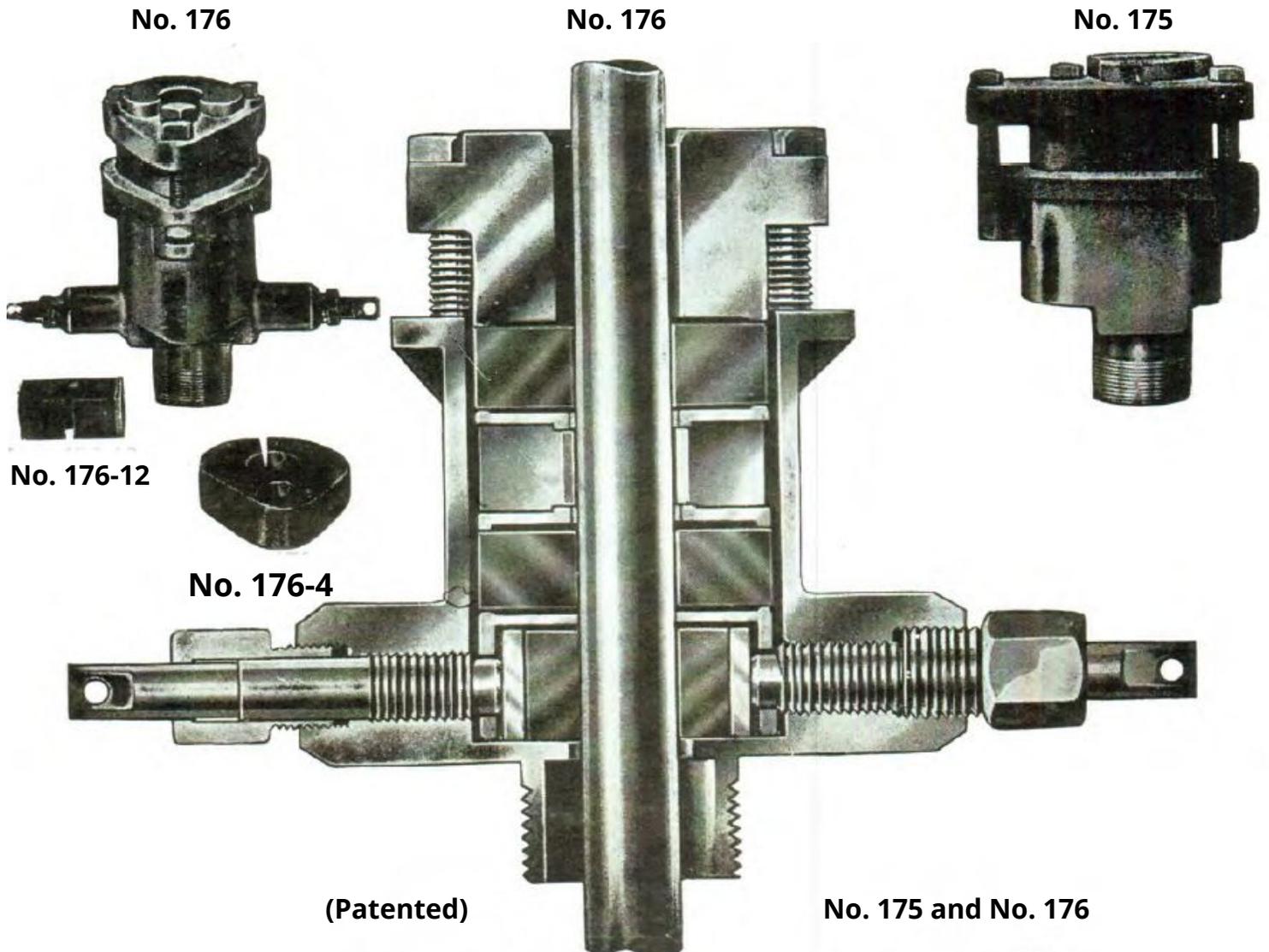
**No. 231 Back Off Wrench
For Stripping Jobs with Power Tongs**

Weight: 40lbs	2-7/8" O.D
Length: 25"	Rod Sizes 5/8" to 1-1/2" 2-3/8" O.D
Width: 5"	Rod Sizes 5/8" to 1-1/4"

Parts List

	No. Req.
231 - Body	1
231 - 1 Block	1
231 - 2 Screws	2
231 - 3 Retainer Screw	1
231 - 4 Gate	1

Please order by name, number and size



Stuffing Boxes Order ratigan Improved Rubbers For Longer Wear.

Ratigan No. 175 and No. 176 are the only self oiling stuffing boxes on the market receiving their lubrication directly from the pumping well. The No. 176 Box has a shut off feature, while No. 175 Box was not designed with this feature.

These stuffing boxes are made of high pressure electric steel and capable of holding 3000 pounds pressure. They have inner bronze parts, which eliminate any possibility of scoring the polish rod. The spacer is bronze, the plate has bronze insert, and the cap has a bronze bushing to protect the polish rod.

When repacking the box, tighten the screws evenly in the shut off, but be sure to loosen the screws before the well starts to pump. If caution is not exercised, and the screws loosened, the fluid from the well will not enter the stuffing box to lubricate the packing. Replace both No. 176-4 rubbers when replacing the box.

We have improved the quality of the No. 176-4 rubbers, so that these rubbers will wear considerably longer. Experiments have proved that this rubber is far superior to any previous rubber and will outwear any rubber on the market. We make 4 types of rubbers: plain, teflon, insert, lead impregnated and high temperature.

Specify size and type of thread and size of polish rod when ordering

Please order by name, number and size



**No. 176-2
Bronze Bushing**



**No. 176-1
Cap with Bronze Bushing**



**No. 176
Body**



**No. 175
Spacer**



**No. 176-7
Split Type Rubber**



**No. 176-6
Alloy Bolt & Nut**



**No. 176-12
Shut Off Rubber**



**No. 176-14
Screw**



**No. 176-4
Rubber with Teflon Insert**



**No. 176-20
Plate with Bronze Insert**



**No. 176-21
Bronze Heart**



**No. 176-10
Teflon Inset**



**No. 176-15
Packing**



**No. 176-5
Packing Gland Nut**

Please order by name, number and size



No. 176-1B Lubricating Cap For Ratigan Stuffing Boxes

Provides Continuous Lubrication of Polished Rods

Assures longer wear of the packing rubbers and more economical operation of the stuffing box

The Ratigan No. 176-1B Lubricating Cap provides the polished rod with continuous lubrication by means of felt rings which are constantly supplied with oil through a wick from the oil reservoir.

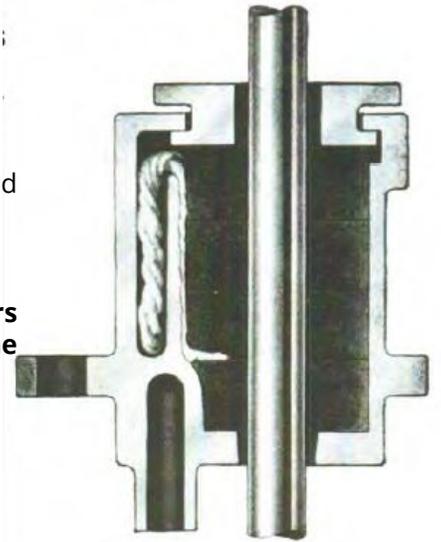
This cap is particularly adapted for oil wells that head, as the design will assure continuous lubrication of the polished rod until the regular flow of oil occurs. Although strongly recommended for heading wells, operators will find it suitable for any type of pumping well.

When installing, the operator should saturate the felt rings with oil, place the wick in the oil reservoir, and then in the felt chamber between the belts and the wall of the chamber as shown in the illustration, so that the wick contacts the four felt rings. When thoroughly saturated the felts will hold the equivalent of one pint of oil, while the oil reservoir will hold an additional pint. The oil reservoir is filled manually by removing the cover of the cap. The pumper or utility man should check the reservoir so that a sufficient oil supply is maintained. Felt Rings will last indefinitely unless subjected to undue abuse.

The ratigan NO. 176-1B Lubricating Cap, complete with felt rings, is made for 1-1/8", and 1-1/4", and 1-1/2" polished rods only.



Please order by name, number and size

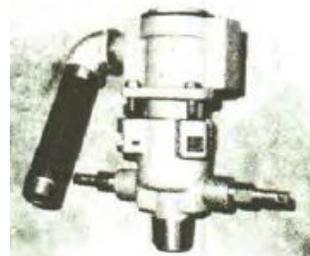


No. 228 Ant-Spray Cap

The No. 228 anti-spray cap is designed to lubricate the polish rod and prevent spraying the packing leaks.

The polish rod is sealed off with a rubber ring. The customer screws an ell and nipple to the 2" outlet then if the packing leaks the oil will go out of the 2" outlet instead of spraying out of the top around the polish rod.

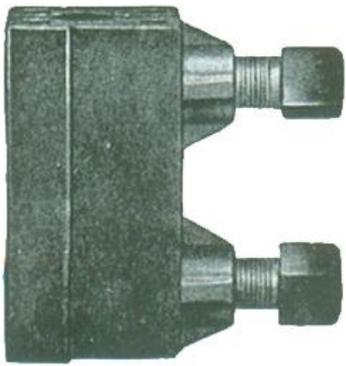
A grease gun fitting is provided for applying lubrication. This anti-spray cap is steel and the well can be clamped off on it.



No. 122 Tubing Block Clamp

This handy device is used to string up tubing blocks. It takes the place of soft rope or wire the line clamps when raising the block to string the line over the crown pulley.

The clamp fits all sizes of tubing lines, and the chain has a safety hook that can be fastened to any of the links instantly.



No. 204 Polished Rod Grip
Holding Capacity
53,000 lbs



No. 50 Polish Rod Grip



No. 76 Safety Stuffing Box Clamp



No. 2 Polish Rod Clamp

Polish Rod Grips and Clamps

Ratigan Polish Rod Grips and Clamps are well known throughout the oilfields of the world and are extremely popular because of their exceptional gripping and holding power. The various type illustrated above will accommodate shallow and deep wells with a large margin of safety. Specify polish rod size. One size is for 1-1/8" or 1-1/4" polish rod. The other size for 1-1/2" only.

When packing the stuffing box, we recommend the use of Ratigan No. 76 Safety Stuffing Box Clamp to hold the top part or cap of the stuffing box. Our Stuffing Box Clamp eliminates the possibility of injury to the pumper's hands and offers another safety factor, so evident in the design of Ratigan products.

No. 102 Adjustable Swivel Sucker Rod Line Weight

The Ratigan Rod Line Weight is hollow inside. It is made of electric steel castings with 1-3/8" round line shafting and special ball bearing swivel at each end of the weight. The ball bearings are the same as used in our rod hooks and are heavy enough for the longest string of rods. A "C" link, which is automatically opened by means of a quick-acting safety pin, is attached to each end of the weight. the device weighs 113 pounds and can be built up to 300 pounds.



No. 184 Double Pin. Collapsible Paraffin Scraper



This scraper has a threaded pin on each end so that it can be installed in the rod string. The weight of the rods will drop it into the tubing until the operator wants to come back up with his load. Most operators make several trips depending on the amount of paraffin in the tubing.

Please order by name, number and size

Ratigan's Pressure Control Valves



No. 234

No. 235

No. 236

The Ratigan Pressure Control Valve is a new concept of an old principle in pressure regulation, that has come to the core because of its simplicity of construction and its dependable operation. While the principle of this pressure valve is not new, its general design has been changed to accommodate a new ball and seat construction. The valves are accurately machined and precision fitted so that the peak operation and wear resistance is obtained.

The 1 inch valve will pass 2.9 M.F.F. of gas per hour at 1,000 pounds per square inch in typical operation. The ball driver and spring are the only moving parts and are resistant to the gases and liquids common through the oil industry. The valve will operate at a constant negligible differential over a pressure range of 5 pounds to 2,500 pounds P.S.i. in the standard sizes.

The Ratigan Pressure Control Valve produces the results demanded by the oil industry and other allied industries, where other valves are used for the same purpose fail to produce the desired results. The Ratigan Pressure Control Valve has been in constant operation in the field in excess of five years without any maintenance.

Installation Procedure

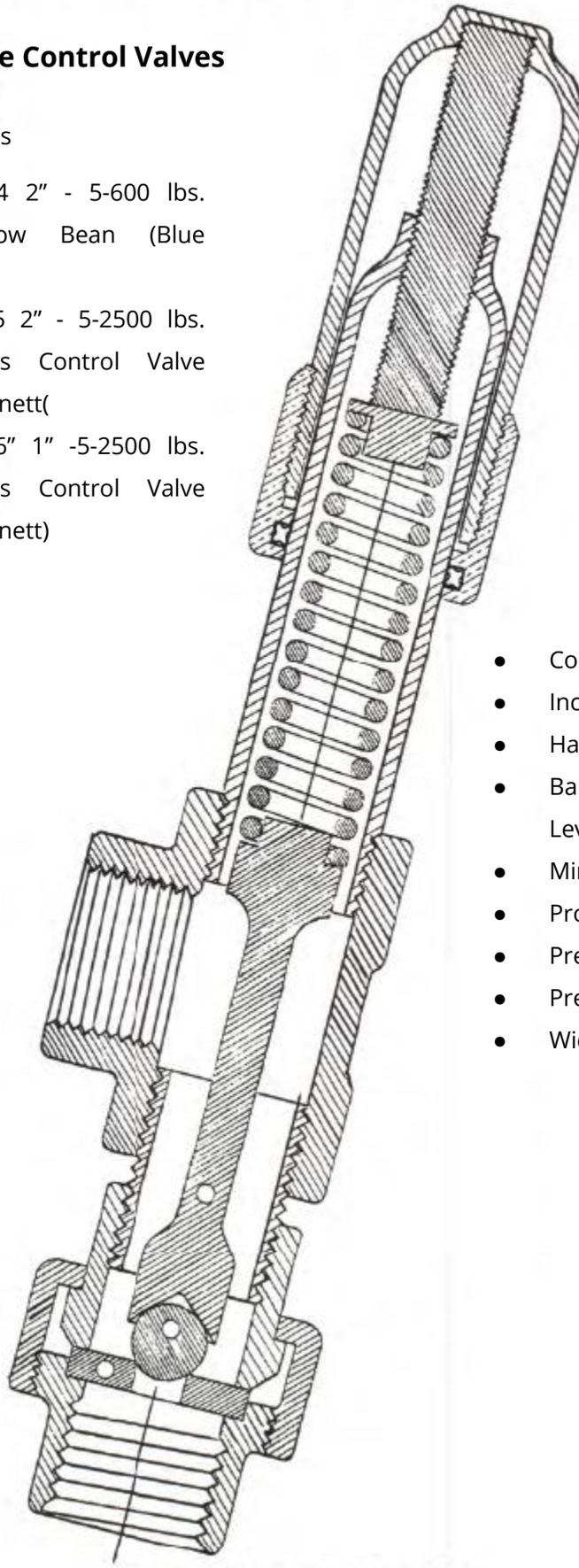
1. Mount valve (preferable in vertical position)
2. To operate valve simply turn adjusting cap clockwise to increase pressure, counterclockwise to decrease pressure.
3. Hand adjust to desired setting. (Maximum adjustment can be made in complete safety, as adjusting cap CANNOT be removed).
4. Do not use pipe wrench on chrome tube or adjusting bonnet.

Please order by name, number and size

Ratigan Pressure Control Valves

are made in two sizes

1. Number 234 2" - 5-600 lbs.
Ratigan Flow Bean (Blue Bonnett)
2. Number 235 2" - 5-2500 lbs.
Ratigan Gas Control Valve (Orange Bonnett)
3. Number 236" 1" -5-2500 lbs.
Ratigan Gas Control Valve (Orange Bonnett)

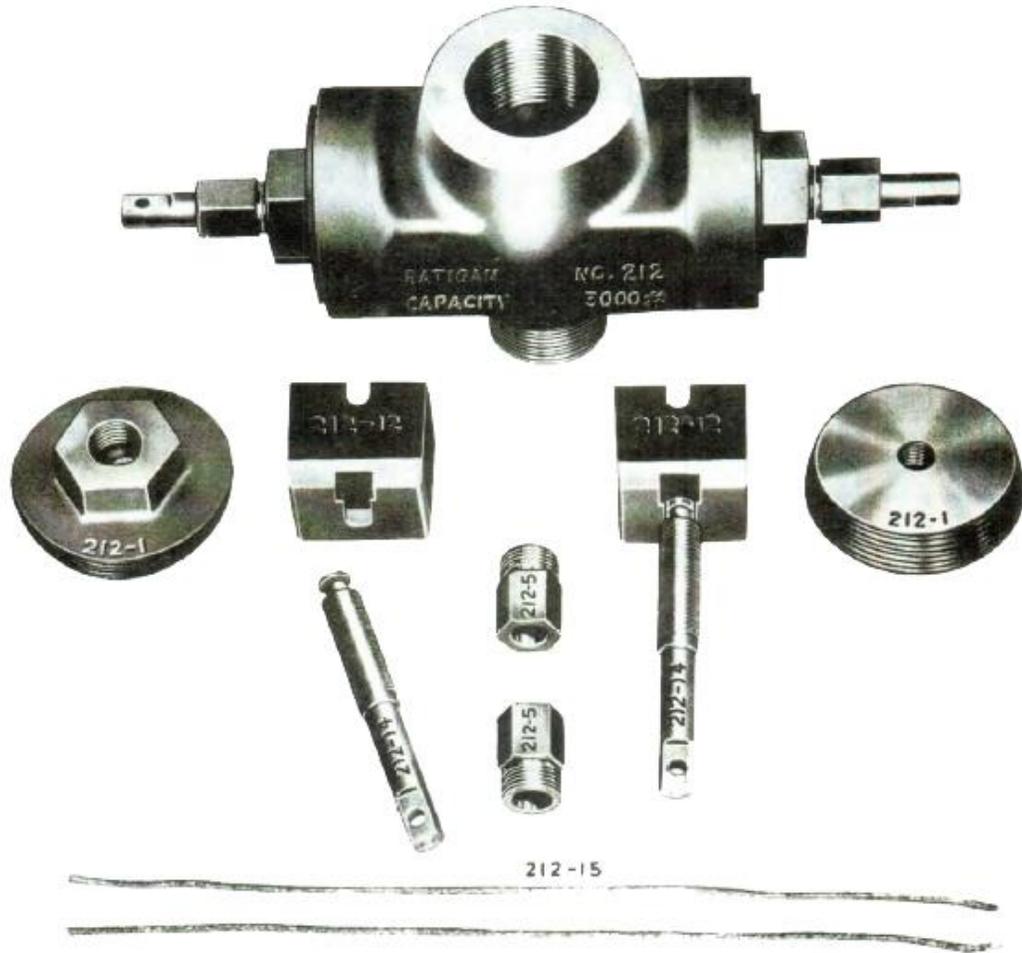


Outstanding Features of Ratigan's Valves

- Conserve Bottom Hole Energy
- Increase Production
- Hand Setting, Complete Safety
- Balance Oil and Gas Production to Desired Levels
- Minimum Maintenance
- Promotes Longer Pump Life
- Prevents Packing Burn-Out
- Prevents Surging
- Wide Production Range

Please order by name, number and size

Ratigan's Pressure Control Valves



No. 212 Blowout Preventer

Max. Working Pressure 1500 PSI

We have designed this blowout preventer for maximum safety and convenience in operation. Manufactured of high pressure electric steel, it is comparatively light in weight, of high capacity, and is equipped with retractable rubbers.

The No. 212 is an ideal tool for swabbing or running rods in wells that head or flow in the course of operation. Two of these blowout preventers of the same size, with a nipple of any required length in between, make a very efficient unit for swabbing.

The rubbers are changed very quickly by unscrewing the plugs at each end and replacing the used rubbers.

Max. Test Pressure 3000 PSI

We manufacture a rubber with $\frac{3}{8}$ " groove to shut off on any sucker rod $\frac{5}{8}$ " to 1" inclusive on any polish rod up to and including 1- $\frac{1}{4}$ " size. Another rubber with a larger groove will shut off on 1- $\frac{1}{2}$ " polish rod. We also stock a special rubber to fit 1.66. 1.75. 1.90 O.D. tubing and a blank rubber for use with wire lines.

We manufacture the blowout preventer in 2", 2- $\frac{1}{2}$ ", and 3" sizes. The 2" and 2- $\frac{1}{2}$ " sizes are supplied both plain and upset and can be furnished in male and female or double female. The 3" size is supplied male and female or double female.

Please order by name, number and size



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