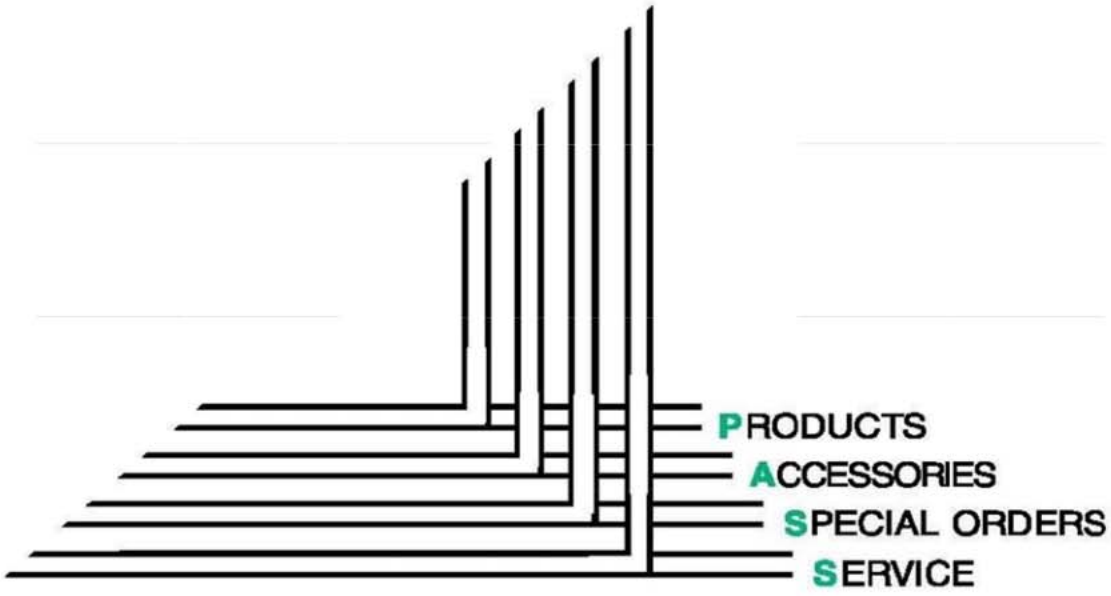
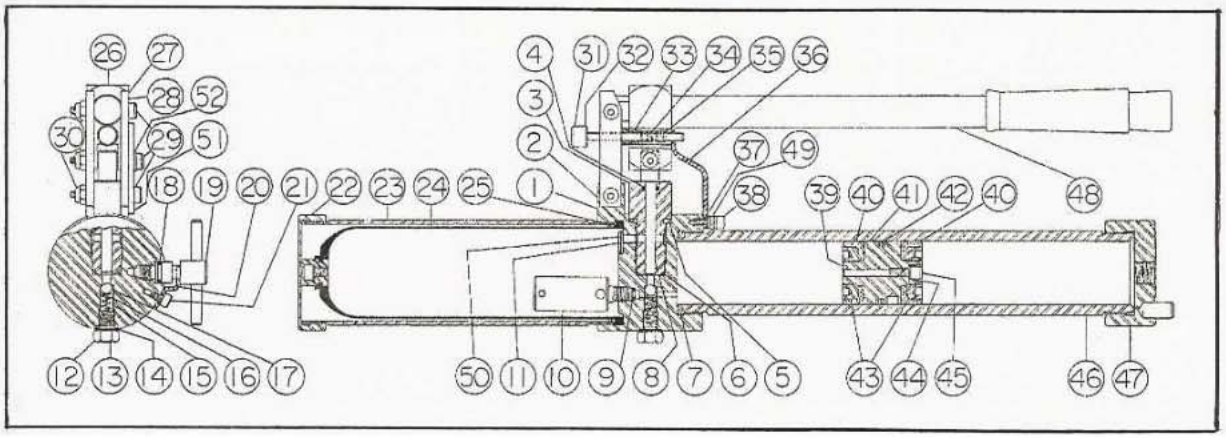
DUALCO

LUBRICATION EQUIPMENT



Manufacturer of Lubrication Equipment for the Energy Industry, Light and Heavy Industry, Recreation, Transportation, and Aerospace

THE DUALCO HYDRAULIC GREASE GUN – MODEL 11000



11000 HYDRAULIC GREASE GUN PARTS LIST

ILL. No.	PART No.	DESCRIPTION
1	10780	BODY ASSEMBLY
2	10782	BODY
3 * •	10784	CYLINDER
4 * • + **	10842	"O" RING
5 * • + **	10788	"O" RING
6 * • + **	10626	"O" RING
7 * • + **	10811	"O" RING
8 * •	10785	PLUNGER
9 * • + **	10807	"O" RING
10 *	10864	INTERNAL RELIEF VALVE (bulletin 99-190)
11	10865	FILTER ASSEMBLY
12 * •	10790	CHECK VALVE ASSEMBLY
13	10789	CHECK VALVE SCREW
14 **	10791	GASKET
15 **	10793	FILTER SCREEN
16	10792	SPRING
17 **	10904	BALL
18 * • + **	10048	"O" RING
19	10795	BY-PASS VALVE
20	10797	STEM RETAINER
	10808	STEM RETAINER (double stop)
21	10798	CAP SCREW (2 required with 10808)
22	10823	FLUID BAG BARREL CAP
23	10822	FLUID BAG BARREL
24 * •	10820	FLUID BAG/BLEEDER ASSEMBLY
25 *	10828	FLUID BAG SEAL RING
26	10772	FULCRUM ASSEMBLY
	•	Repair Kit, Minor + "O" Ring Kit
	●	Repair Kit, Major ** 11065 Seal Kit

Designates items in Repair, "O" Ring and Seal Kits

ILL. No.	PART No.	DESCRIPTION	
27	10781	LINK ASSEMBLY	
28	10777	LINK	(2 required)
29	10779	STRIPPER BOLT	(3 required)
30	10778	LOCK NUT	(3 required)
31	10830	LATCH ASSEMBLY	
32	10835	STEM & KNOB ASSEMBLY	
33	10833	LATCH SCREW	
34	10837	LATCH SPRING, INTERNAL	
35	10839	RETAINER RING	
36	10831	LATCH ARM	
37	10832	LATCH SLEEVE	
38	10838	CAP SCREW	
39	10810	PISTON ASSEMBLY	
40 * • **	10821	LEATHER CUP	(2 required)
41	10815	PISTON	
42 * • + **	10818	"O" RING	
43	10819	WASHER NUT	(2 required)
44 * • **	10817	GASKET	
45	10816	CAP SCREW	
46	10812	GREASE BARREL	
47	10813	GREASE BARREL CAP	
48	10776	HANDLE	
49	10843	LATCH SPRING, EXTERNAL	
50	10808	FILTER SCREEN	
	11063	LINK STOP	
	11339	HANDLE STRAP	
	10568	PROTECTIVE PLUG (for Grease Barrel Cap)	
	10295	REPAIR KIT, MINOR •	
	10840	REPAIR KIT, MAJOR *	
	11055	"O" RING KIT +	
	11065	SEAL KIT **	

DUALCO HYDRAULIC FLUID

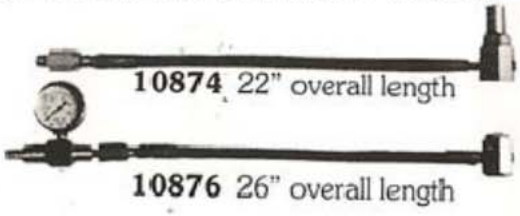
10895 4 oz. can is furnished as a standard accessory with each 11000 grease gun

• **10829** 1 pint can is furnished with repair kits 10295 & 10840

11019 1 quart bottle

10912 1 gallon can

HOSE ASSEMBLIES (other options available)

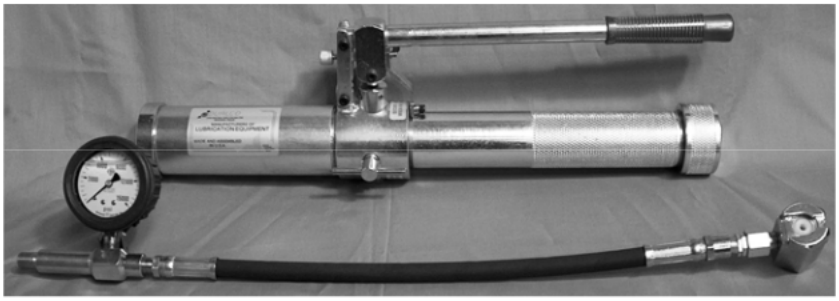


CONSULT OPERATING INSTRUCTIONS

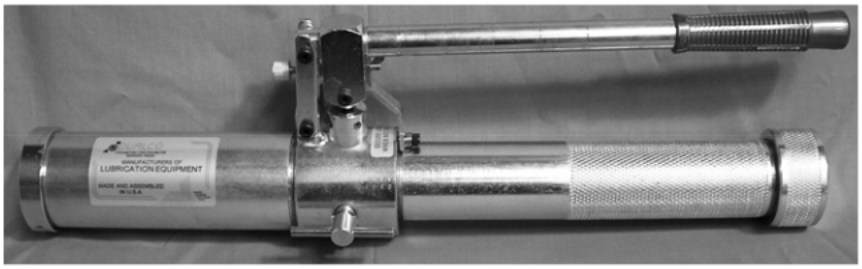
DUALCO
8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
TOLL FREE 877-538-2526 OR 877-5DUALCO
E-MAIL: dualco@dualco-inc.com * www.dualco-inc.com

DUALCO HYDRAULIC GREASE GUNS

Rated to 10,000 psi



MODEL 11020



MODEL 11000

DUALCO HYDRAULIC GREASE GUNS are needed for high pressure applications. Benefits include operating ease and smooth efficiency. Usable in any position, these guns are rugged, long lasting, precision manufactured and are recommended for high temperature and harsh environment services such as steam, hot oil, hot compressed gas, and offshore. Standard and special lubricants in stick or bulk can be applied with **DUALCO HYDRAULIC GREASE GUNS.** Highly viscous lubricants, sealants, packings, and cleaners can be pumped with ease. These guns are adaptable for pumping liquids and good for measured amounts, preventing excess material discharge. They are also used for hydrostatic and applied testing on pipelines and wellheads.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY OPTIONS

USES FOR DUALCO HYDRAULIC GREASE GUNS INCLUDE

LUBRICATING PUMPS AND BALL, GATE & PLUG VALVES

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS…LUMBER & PAPER MILLS
GAS & OIL DRILLING/PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE

INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE LATCH & TAMPER PROOF INTERNAL RELIEF VALVE
- DETACHABLE HANDLE WITH 1 OZ. CALIBRATIONS, ALSO USED AS A PUSH ROD TO RETURN BARREL PISTON AND TO LOCK & UNLOCK BARREL CAP
- SUPERIOR PUMPING PERFORMANCE WITH VISCOUS LUBRICANTS, SEALANTS, PACKING, & CLEANERS
- EASILY REFILLED
- GREATER PRESSURES ARE ACHIEVABLE WITH LESS EFFORT THAN SCREW-TYPE LEVER GUNS
- HEAVY DUTY METAL CONSTRUCTION
- "SURE-GRIP" SURFACES
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

SPECIFICATIONS: MODEL 11000 NET WEIGHT 13-1/2 lbs. • MODEL 11020 NET WEIGHT 16 lbs. • GUN ONLY 20-1/2"x 6" x 3-3/4" • CAPACITY "J" size stick, 9-1/2 oz. or 17 cu. in. • OUTLET ¼" NPT (f) (other outlet sizes available) • DELIVERY 1 oz. / 50 strokes • SELF PRIMING WITH DUALCO HYDRAULIC FLUID

OPERATE WITH CAUTION AND SAFETY

THESE PRODUCTS ARE REPAIRABLE AND RECYLABLE
MADE AND ASSEMBLED IN U.S.A.

DUALCO

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REBUILT HYDRAULIC GREASE GUN EXCHANGE OR REPAIR PROGRAM
FOR MODELS 11035 AND 11000R – (July 2010)

DUALCO will accept a Hydraulic Grease Gun for rebuilding, exchange, or repair as long as all Gun components are present and assembled. A Hydraulic Grease Gun cannot be rebuilt or repaired if there are signs of extreme abuse or corrosion.

Most Hydraulic Guns in service can be rebuilt. If a gun cannot be rebuilt or repaired, notification will be given regarding the gun condition and the procedure to be followed.

After receiving a gun for rebuilding, exchange or repair, the following procedure is implemented:

(1)	**INSPECTION**	**PARTS TO BE REPLACED**
(2)	**DISASSEMBLY**	**ALL "O" RINGS, LEATHER CUPS,**
(3)	**REPLATING OF MAJOR PARTS (11035)**	**FLUID BAG/BLEEDER ASSEMBLY,**
(4)	**ASSEMBLY OF REBUILT GUN**	**PLUNGER, CHECK VALVE BALL,**
(5)	**NEW FLUID ADDED**	**CHECK VALVE SPRING,**
(6)	**INSPECTION AND TESTING**	**CHECK VALVE WASHER,**
(7)	**NEW BOX AND PACKING**	**CHECK VALVE FILTER**
(8)	**REPAIR GUNS WILL NOT BE PLATED (1100R)**	

REPLACEMENT OF THE FOLLOWING COMPONENTS, WHEN MISSING OR DAMAGED BEYOND REPAIR, IS NOT INCLUDED IN THE STANDARD PROGRAM, BUT CAN BE ADDED FOR AN ADDITIONAL COST:

BODY, FULCRUM ASSEMBLY,

GREASE BARREL, GREASE BARREL CAP,

FLUID BAG BARREL, FLUID BAG BARREL CAP

A 4-oz. can of DUALCO Hydraulic Fluid (10895) is furnished as a standard accessory.

OTHER PARTS WILL BE CHANGED, AND OTHER PROCEDURES WILL BE APPLIED WHEN NEEDED, AND CUSTOMER NOTIFICATION WILL BE GIVEN AS REQUIRED. A standard price is established for a rebuilt or repair gun with the standard program guidelines. If the program is altered by extra procedures or extra components, in extreme cases the cost may exceed that of a new gun. **Guns for repair will be cleaned only, not plated. All other rebuilding procedures will apply.**

This program applies to the basic gun only. Hose Assemblies and Accessories are not included, but upon customer request, they will be provided with additional cost.

WARRANTY: 90 DAYS – DUALCO STANDARD TERMS AND CONDITIONS.

DUALCO CAN REBUILD AND REPAIR MOST HYDRAULIC GREASE GUNS WICH ARE IN SERVICE AND PARTS ARE USUALLY INTERCHANGEABLE.

DUALCO
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DUALCO GREASE GUNS

Screw Prime Hand Lever Operated

DUALCO GREASE GUNS are needed where standard and special lubricants and/or high pressures are to be used when lubricating pumps and ball, gate, & plug valves. For proper pump and valve lubrication **DUALCO GREASE GUNS** will serve Industry thoroughly and completely. These guns are adaptable for pumping liquids and are good for measured amounts, preventing excess material discharge. They are also used for hydrostatic and applied testing on pipelines and well heads. DUALCO GREASE GUNS ARE NECESSARY WHEN CONVENTIONAL GUNS ARE INADEQUATE.

Highly durable materials are used in the Guns' manufacture to give a long life of trouble-free service. The screw handle with spring and primer cup provides automatic priming with each stroke of the precision plunger. Each DUALCO GUN is manufactured with integrity and incorporates these quality, long-lasting features: hardened, one-piece ground plunger; high-strength screw handle; premium die primer spring, and adjustable plunger packing.

MODEL 10600 10,000 psi

BARREL 1-5/8" I.D. • CAPACITY 12 oz. or "K" size stick • DELIVERY 1 oz. / 15 strokes. • OUTLET ¼" NPT (f) • NET WEIGHT 11-1/2 lbs 20-5/8" x 5-7/8" x 2-1/2".

MODEL 10680 15,000 psi

BARREL 1-5/8" I.D. • CAPACITY 12 oz. or "K" size stick • DELIVERY 1 oz. / 18 strokes. • OUTLET ¼" NPT (f) • NET WEIGHT 11-1/2 lbs. 20-5/8" x 2-1/2". Includes built-in check valve and pressure release.

MODEL 10700 10,000 psi • MODEL 10760 15,000 psi

BARREL 2-3/8" I.D. • CAPACITY 24 oz. • DELIVERY Model 10700 1 oz. / 15 strokes, Model 10760 1 oz. / 18 strokes. • OUTLET ¼" NPT (f). • NET WEIGHT 10 lbs. • 22-1/4" x 5-7/8" x 3". These two models reduce the frequency of loading and are necessary if the operator is far removed from the lubricant supply.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY OPTIONS

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS AND OTHER FUELS
PUMPING & COMPRESSOR STATIONS,
REFINERIES & CHEMICAL PLANTS.
STEEL MILLS ...LUMBER & PAPER MILLS.
GAS & OIL DRILLING/PRODUCTION FIELDS
ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS.
HEAVY EQUIPMENT & MANUFACTURING
MINING & MARINE
INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- USED WITH STICK OR BULK LUBRICANT
- SUPERIOR PUMPING PERFORMANCE WITH VISCOUS LUBRICANTS, SEALANTS, PACKING, & CLEANERS
- EASILY REFILLED
- HEAVY DUTY, METAL CONSTRUCTION
- "SURE GRIP" SURFACES
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE
- WILL FREE UP "FROZEN" FITTINGS OR JOINTS
- ADAPTABLE FOR PUMPING LIQUIDS

OPERATE WITH CAUTION AND SAFETY

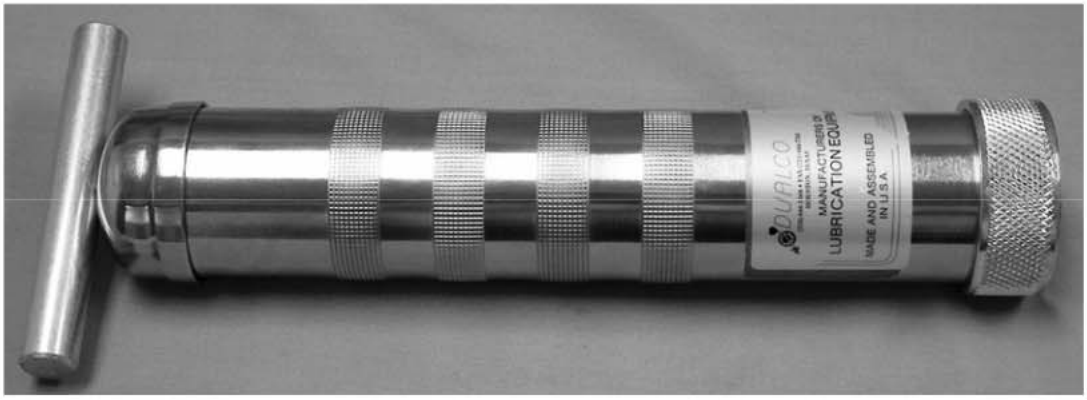
THESE PRODUCTS ARE REPAIRABLE AND RECYCLABLE • MADE AND ASSEMBLED IN U.S.A.

DUALCO

8404 BRANIFF, HOUSTON, TEXAS 7 7061 * 713-644-1164 * FAX 713-644-7761
TOLL FREE 877-538-2526 OR 877-5DUALCO

E-MAIL: dualco@dualco-inc.com * www.dualco-inc.com

DUALCO MATERIAL LOADER



Model 11270 - for Hydraulic Grease Guns and Air / Hydraulic Injection Guns

Model 11280 - for Screw Prime Grease Guns

The **DUALCO MATERIAL LOADER** is ideal for loading cartridges containing material, such as Lubricant, Sealant, Packing, or Cleaner into any of these DUALCO products: Air/Hydraulic Injection Guns, Hydraulic Grease Guns, or Screw Prime Grease Guns. Benefits include quick, smooth, and convenient loading of cartridges with ease. Once the cartridge material is loaded into a Dualco Gun, Valves or Pumps are ready to be serviced.

INQUIRE REGARDING OTHER AVAILABLE MODEL OPTIONS

USES FOR THE DUALCO MATERIAL LOADER INCLUDE LOADING DUALCO GUNS WHEN COMMON INDUSTRY APPLICATIONS ARE SERVICED, SUCH AS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS ... LUMBER & PAPER MILLS

GAS & OIL DRILLING/PRODUCTION FIELDS

WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- CLEAN TO USE AND WASTE FREE
- CORROSION RESISTANT
- EASILY REFILLED
- HEAVY DUTY, METAL CONSTRUCTION
- PORTABLE, EASY TO STORE
- "SURE GRIP" SURFACES
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

OPERATE WITH CAUTION AND SAFETY

WARNING: THE DUALCO MATERIAL LOADER OR THE BARREL ADAPTER IS NOT TO BE USED FOR PRESSURE APPLICATIONS

SPECIFICATIONS

Models	Measurements		Net Weight	
	Inches	cm	Pounds	Kg
11270 & 11280	13-1/4" long	33.66 long	2.65	12

THESE PRODUCTS ARE REPAIRABLE AND RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

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8404 BRANIFF, HOUSTON, TEXAS / /061 * /13-644-1164 * FAX /13-644- / /61
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OPTIONAL EQUIPMENT

HOSE ASSEMBLIES

10756 - 18" overall length hose with giant button head coupler (10670) and swivel (10748). 1/4" NPT(m) inlet x giant button head coupler outlet.

10750 - 18" overall length hose with giant button head coupler (10630).1/4" NPT(m) inlet x giant button head coupler outlet.

10775 - Screw Connection Hose Assembly for lubricating vent cap fittings. 18" overall length hose with screw connection coupler. 1/4" NPT(m) inlet x 1"-14 UNS(f) outlet.

10660- 18" overall length hose with giant button head coupler (10850), gage tee (10844), gage and cover (11475), "Z" swivel (10744), swivel (10641), shut off relief valve (10990). 1/4" NPT (m) inlet x giant button head coupler outlet.

10876- 18" overall length hose with giant button head coupler (10850), gage tee (10844), gage and cover (11475), swivel (10641).1/4" NPT (m) inlet x giant outlet.

10650- 18" overall length swivel hose with giant button head coupler (10630), gage tee (10844), gage and cover (11475). 1/4" NPT (m) inlet x giant button head coupler outlet.

OTHER HOSE LENGTHS, END COMBINATIONS AND ASSEMBLIES ARE AVAILABLE.

HOSE ASSEMBLY RATING: Working Pressure 10,000 psi, Burst Pressure 23,000 psi. **WARNING:** Hoses are for use with hand operated grease guns only. Inquire regarding additional warnings. Consult "Rubber Manufacturers Association Hose Handbook" for proper operating procedure.

GAGES

Stainless construction
1/4" NPf (m) b.ver moerr
10873 - 15,000 psi
21/2" face
10599 - 20,000 psi
11184 - Gage cover for 2-1/2" 0
11475 -10873 & 11184

OTHER GAGES ARE AVAILABLE

GAGE TEES (machined)

10637 - 1-1/4" hex
10844 - I" hex
10620 - 1-1/4" hex, includes check valve
Rated to 10,000 psi

By using a Dualco Gage Tee an adapter is not required. 1/4" NPT(m) x 1/4" NPT(f).

SPECIAL ORDER TEES ARE AVAILABLE

SHUT OFF/RELIEF VALVE

10990 - 1/4" NPT(m) x 1/4" NPT(f).

OTHER SIZES ARE AVAILABLE

SWIVELS

ADVANTAGES

Easy handling of operational grease gun is assured.
Hose damage is reduced. Pressurized hoses will not twist.

10744 - 1/4" NPT(m) x 1/2"-27 NS taper (m)
10642 - 1/4" NPT(m) x 1/2"-27 NS taper (m)
10641 - 1/4" NPT(m) x 1/2"-27 NS taper (m)
10748 - 1/8" NPT(m) x 7/16"-27 NS (m)
OTHER SIZES ARE AVAILABLE

10744 - "Z"

10642 - 90°

10641 - Straight
10748 - Straight

CARRY STRAP ASSEMBLY

FEATURES

Weight - 3-3/4 oz.

Lightweight and strong. Includes shoulder pad, hooks, rings and link.

Adjustable and extends to 46"

10616 - For Screw Prime Gun Assemblies
10644 - For Hydraulic Grease Gun Assemblies

DUALCO WILL CUSTOM DESIGN AND MANUFACTURE PRODUCTS TO SUIT SPECIFIC REQUIREMENTS.

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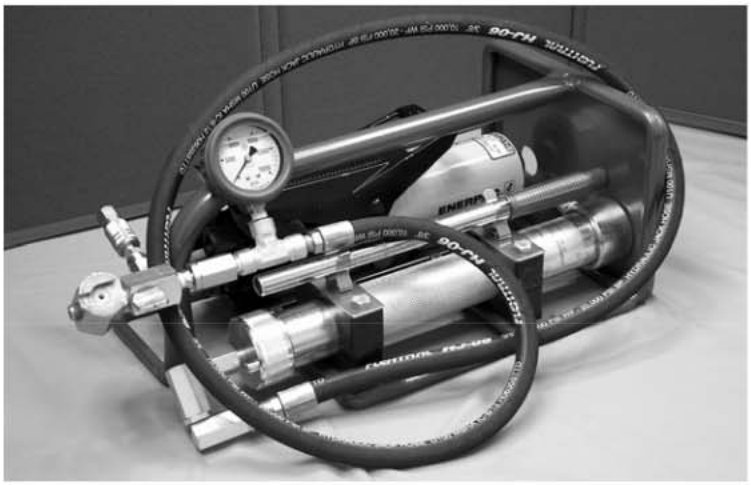
DUALCO AIR / HYDRAULIC INJECTION GUN



Model 12000 ***(Patent Pending)***

The **DUALCO AIR / HYDRAULIC INJECTION GUN** is a rugged, easy operating, light-weight unit providing an extremely fast discharge rate. It comes complete with an all aluminum frame, a 10,000 psi hydraulic pump, a "K" barrel and a Pelican® carrying case. This extremely versatile unit works well both on and offshore and is recommended for field, plant, and platform applications. It is designed to pump standard and special materials including highly viscous lubricants, sealants, packing, and cleaners. This gun is adaptable for injecting liquids. Model 12000 is also used for hydrostatic and applied testing on pipelines and wellheads.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS

IN-LINE AIR FILTERS, REGULATORS, DRYERS, AND LUBRICATORS ARE AVAILABLE

USES FOR THE DUALCO AIR / HYDRAULIC INJECTION GUN INCLUDE

INJECTING MATERIALS INTO VALVES AND PUMPS WHEN A FAST CONTROLLED DISCHARGE RATE IS ADVANTAGEOUS

WORKING IN EXTREME TEMPERATURE AND HARSH ENVIRONMENTS

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE OR REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS ... LUMBER & PAPER MILLS
GAS & OIL DRILLING / PRODUCTION FIELDS
ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS
HEAVY EQUIPMENT & MANUFACTURING
MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- TAMPER PROOF INTERNAL RELIEF VALVE
- HANDLE USED AS A PUSH ROD TO RETURN BARREL PISTON AND TO LOCK & UNLOCK BARREL CAP
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, PACKING &CLEANERS
- CORROSION RESISTANT
- EASILY REFILLED WITH STICKS OR BULK
- HEAVY DUTY METAL CONSTRUCTION
- "SURE GRIP" SURFACES
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: NET WEIGHT 32 lbs. • SHIPPING WEIGHT 44 lbs. • BOX DIMENSIONS 21" x 18" x 9" • CAPACITY one "K" size stick, 12 oz. • AIR INLET ¼" NPT(f) • OUTLET GIANT BUTTON HEAD COUPLER (other outlet sizes available) • OPERATES at 80 to 100 psi AIR SUPPLY FROM PLANT, TANK or PORTABLE SOURCE • AIR CONSUMPTION 9 CFM • DELIVERY 12 OUNCES in 30-60 SECONDS • SELF PRIMING HYDRAULIC PUMP • STANDARD DISCHARGE HOSE is 6 feet lg.

THIS PRODUCT IS REPAIRABLE AND RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

DUALCO

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DUALCO AIR/HYDRAULIC INJECTION GUN

Model 11140

Model 11130

The **DUALCO AIR/HYDRAULIC INJECTION GUN** is needed for high pressure applications. Benefits include operating ease, smooth efficiency, and a quick discharge rate. This gun is rugged, long lasting, precision manufactured and is recommended for services such as steam, hot oil, hot compressed gas, and on or offshore platforms. It is designed to pump standard and special materials including highly viscous lubricants, sealants, packing, and cleaners. This gun is adaptable for injecting liquids. They are also used for hydrostatic and applied testing on pipelines and well heads. Both models are rated to 10,000 psi.

VARIOUS BARREL CAPACITIES UP TO 20 OUNCES ARE AVAILABLE

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY OPTIONS

IN-LINE AIR FILTERS, REGULATORS, DRYERS, AND LUBRICATORS ARE AVAILABLE

USES FOR THE DUALCO AIR/HYDRAULIC INJECTION GUN INCLUDE

INJECTING MATERIALS INTO PUMPS AND VALVES WHEN A FAST CONTROLLED DISCHARGE RATE IS ADVANTAGEOUS

WORKING IN EXTREME TEMPERATURE AND HARSH ENVIRONMENTS

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE OR REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS ... LUMBER & PAPER MILLS

GAS & OIL DRILLING / PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT AND MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- TAMPER PROOF INTERNAL RELIEF VALVE
- DETACHABLE HANDLE WITH 1 oz. CALIBRATIONS, ALSO USED AS A PUSH ROD TO RETURN BARREL PISTON AND TO LOCK & UNLOCK BARREL CAP
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, PACKING & CLEANERS
- EASILY REFILLED WITH STICKS OR BULK
- IDEAL FOR LONG PRODUCTION WITH LESS EFFORT THAN CONVENTIONAL GUNS
- HEAVY DUTY CONSTRUCTION
- "SURE-GRIP" SURFACES
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS. NET WEIGHT #11140 26-1/2 lbs., #11130 24-1/2 lbs. • BOX DIMENSIONS 24" x 12" x 12" • CAPACITY ONE "J" SIZE STICK, 9-1/2 oz. or 17 cu. in. • AIR INLET ¼" NPT(f) • OUTLET ¼" NPT(f) (Other outlet sizes available) • OPERATES at 80 to 120 psi AIR SUPPLY FROM PLANT, TANK or PORTABLE SOURCE • AIR CONSUMPTION 9 CFM to 20 CFM • DELIVERY 59 cu. in./min. to 4 cu. in./min. • STANDARD FLUID SUPPLY HOSE is 6 feet lg. • SELF PRIMING HYDRAULIC PUMP

THESE PRODUCTS ARE REPAIRABLE AND RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

DUALCO

8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
TOLL FREE 877-538-2526 OR 877-5DUALCO
E-MAIL: dualco@dualco-inc.com * www.dualco-inc.com

AIR OPERATED 5 QUART 10 LB. BUCKET PUMP

MODEL 11420– 100:1 RATIO

This DUALCO Air Operated Pump is needed for high-pressure applications. Benefits include operating ease and smooth efficiency. This pump is rugged, long lasting, and precision manufactured. The pump's strong spring and follower plate assembly assures positive priming of all types of light or heavy materials in hot or cold weather to NLGI-4. **Model 11420** comes as pictured, complete with a 10 ft., 3/8" I.D. high-pressure swivel hose with giant button head coupler (10850), self priming follower plate and spring, 15,000 psi liquid-filled gage, gage tee, and gage cover.

Model 11420 is an air-operated volume pump, mounted on a rubber-tired hand cart that keeps the lubricant container upright when in use. This portable pump can be used indoors or outdoors and transports easily up and down steps. This pump comes completely assembled and is ready for use after inserting material to be pumped into container.

This economical model features a 100:1 ratio pressure pump with sealed-in air motor. Maximum air inlet pressure of 150 psi may be used sparingly and with caution, but recommended inlet pressure of 100 to 105 psi gives an optimum operating range. Straight and "Z" swivels, a needle valve with an 18" discharge hose, check valve with pressure release, and giant button head coupler (10850 - for the hose assembly outlet connection) is included.

This bucket pump accommodates a 5-quart material container (10 lb.). With an air inlet pressure of 150 psi, a delivery rate of approximately 15 oz./minute of NLGI-2 lubricant at 77° F (25° C) may be achieved, with a discharge pressure of 15,000 psi.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY AND ELECTRONIC FLOW METER OPTIONS

USES FOR THE DUALCO AIR OPERATED BUCKET PUMP INCLUDE

PUMPING MATERIAL INTO VALVES AND PUMPS WHEN HIGH PRESSURE, VOLUME & PORTABILITY ARE REQUIRED

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS ... LUMBER & PAPER MILLS

GAS & OIL DRILLING/PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE BLEEDER VALVE AND SECURED LID
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, LIGHT PACKING, AND CLEANERS
- EASILY REFILLED MATERIAL CONTAINER
- GREATER PRESSURES ARE ACHIEVABLE WITH LESS EFFORT THAN MANUAL OPERATED BUCKET PUMPS
- HEAVY DUTY, METAL CONSTRUCTION
- IDEAL FOR LONG PRODUCTION
- PORTABLE, EASILY SERVICEABLE AND PARTS ARE AVAILABLE

NOTE: For extended life of the air motor and down tube assembly, It is recommended an Air Filter/Lubricator with Regulator Set be used.

FOR PUMPING STICK MATERIAL OR HEAVY PACKING, CONTACT DUALCO FOR OTHER EQUIPMENT OPTIONS.

OPERATE WITH CAUTION AND SAFETY * MADE AND ASSEMBLED IN U.S.A.

SPECIFICATIONS

Model	Air Inlet	Material Outlet	Maximum Operating Pressure		Optimum Operating Pressure		Piston Diameter x Stroke		Measurements (Unit Only)		Approximate Net Weight	
			PSI	Bars	PSI	Bars	Inches	cm	Inches	Cm	Pounds	Kg
11420	1/4" NPSI(f)	3/8" NPT(f)	15,000	1,034	10,500	724	2-7/16 x 1-5/8	6.2 x 4.1	40 x 18	101.5 x 45.6	75	34.3

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AIR OPERATED 5-6 GAL. 35-50 LB. BUCKET PUMP

MODEL 11410 – 100:1 RATIO

This DUALCO Air Operated Pump is needed for high-pressure applications. Benefits include operating ease and smooth efficiency. This pump is rugged, long lasting, and precision manufactured. The pump's strong spring and follower plate assembly assures positive priming of all types of light or heavy materials in hot or cold weather to NLGI-4. **Model 11410** comes as pictured, complete with a 10 ft., 3/8" I.D. high-pressure supply swivel hose with giant button head coupler (10850) outlet, self priming follower plate and spring, 15,000 psi liquid-filled gage, gage cover, and gage tee.

Model 11410 is an air-operated volume pump, mounted on a rubber-tired swing (tilt) dolly that keeps the lubricant container upright when in use. This portable pump can be used indoors or outdoors and transports easily up and down steps. This pump comes completely assembled and is ready for use after inserting material to be pumped into the Bucket Pump container.

This economical model features a 100:1 ratio pressure pump with sealed-in air motor. Maximum air inlet pressure of 150 psi may be used sparingly and with caution, but recommended inlet pressure of 100 to 105 psi gives an optimum operating range. Straight and "Z" swivels, a needle valve with an 18" discharge hose, check valve with pressure release, and a giant button head coupler (10850 – for the hose assembly outlet connection) is included.

Model 11440 is the same as **Model 11410**, but with a pressure release coupler (10640) hose assembly outlet connection.

Both models accommodate either a 5-gallon or 6-gallon material container (35 lb. – 50 lb.). With an air inlet pressure of 150 psi, a delivery rate of approximately 15 oz./minute of NLGI-2 lubricant at 77° F (25° C) may be achieved, with a discharge pressure of 15,000 psi.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY AND ELECRONIC FLOW METER OPTIONS

USES FOR THE DUALCO AIR OPERATED BUCKET PUMP INCLUDE

PUMPING MATERIAL INTO VALVES AND PUMPS WHEN HIGH PRESSURE, VOLUME & PORTABILITY ARE REQUIRED

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS ... LUMBER & PAPER MILLS

GAS & OIL DRILLING / PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE BLEEDER VALVE AND SECURED LID
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, LIGHT PACKING AND CLEANERS
- EASILY REFILLED MATERIAL CONTAINER
- GREATER PRESSURES ARE ACHIEVABLE WITH LESS EFFORT THAN MANUAL OPERATED BUCKET PUMPS
- HEAVY DUTY, METAL CONSTRUCTION
- INCLUDES PAIL RING STABILIZER
- IDEAL FOR LONG PRODUCTION
- PORTABLE, EASILY SERVICEABLE AND PARTS ARE AVAILABLE

NOTE: For extended life of the air motor and down tube assembly, it is recommended an Air/Lubricator Set be used.

FOR PUMPING STICK MATERIAL OR HEAVY PACKING, CONTACT DUALCO FOR OTHER EQUIPMENT OPTIONS
OPERATE WITH CAUTION AND SAFETY * MADE AND ASSEMBLED IN U.S.A.

SPECIFICATIONS

Models	Air Inlet	Material Outlet	Maximum Operating Pressure		Optimum Operating Pressure		Piston Diameter X Stroke		Measurements (Unit Only)		Approximate Net Weight	
			PSI	Bars	PSI	Bars	Inches	Cm	Inches	Cm	Pounds	Kg
11410 11440	¼" NPSI(f)	3/8" NPTF(f)	15,000	1,034	10,500	724	2-7/16 x 1-5/8	6.2 x 4.1	41 x 24	104 x 60.9	82	37.5

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AIR OPERATED 16-GALLON 120 LB. DRUM PUMP

MODEL 11400 – 100:1 RATIO

This DUALCO Air Operated Pump is needed for high-pressure applications. Benefits include operating ease and smooth efficiency. This pump is rugged, long lasting, and precision manufactured. The pump's strong spring and follower plate assembly assures positive priming of all types of light or heavy materials in hot or cold weather to NLGI-4. **Model 11400** comes as pictured, complete with a 10 ft., 3/8" I.D. high-pressure supply swivel hose with giant button head coupler (10850) outlet, self priming follower plate and spring, 15,000 psi liquid-filled gage, gage cover, and gage tee. An optional outlet connection (10733) Lube Adapter 1" – 14 UNS (female) is included.

Model 11400 is an air-operated volume pump, mounted on a 16 gallon, 120 lb. drum. This portable pump can be used indoors or outdoors. This pump comes completely assembled and is ready for use after installing on a drum of pumpable material.

This economical model features a 100:1 ratio pressure pump with sealed-in air motor. Maximum air inlet pressure of 150 psi may be used sparingly and with caution, but recommended inlet pressure of 100 to 105 psi gives an optimum operating range. Straight and "Z" swivels, a needle valve with an 18" discharge hose, check valve with pressure release, and a giant button head coupler (10850 – for the hose assembly outlet connection) is included.

Model 11400 accommodates a 16-gallon drum (120-150 lbs.). With an air inlet pressure of 150 psi, a delivery rate of approximately 15 oz./minute of NLGI-2 lubricant at 77° F (25° C) may be achieved, with a discharge pressure of 15,000 psi.

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY AND ELECTRONIC FLOW METER OPTIONS

USES FOR THE DUALCO AIR OPERATED DRUM PUMP INCLUDE

PUMPING MATERIAL INTO VALVES AND PUMPS WHEN HIGH PRESSURE, VOLUME & PORTABILITY ARE REQUIRED

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS … LUMBER & PAPER MILLS

GAS & OIL DRILLING / PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE BLEEDER VALVE AND SECURED LID
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, LIGHT PACKING AND CLEANERS
- EASILY INSTALLED ON 16-GALLON DRUM
- GREATER PRESSURES ARE ACHIEVABLE WITH LESS EFFORT THAN MANUAL OPERATED BUCKET PUMPS
- HEAVY DUTY, METAL CONSTRUCTION
- IDEAL FOR LONG PRODUCTION
- PORTABLE, EASILY SERVICEABLE AND PARTS ARE AVAILABLE

NOTE: For extended life of the air motor and down tube assembly, it is recommended an Air Filter/Lubricator with Regulator Set be used.

FOR PUMPING STICK MATERIAL OR HEAVY PACKING, CONTACT DUALCO FOR OTHER EQUIPMENT OPTIONS

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS

Model	Air Inlet	Material Outlet	Maximum Operating Pressure		Optimum Operating Pressure		Piston Diameter X Stroke		Measurements (Unit Only)		Approximate Net Weight	
			PSI	Bars	PSI	Bars	Inches	Cm	Inches	Cm	Pounds	Kg
11400	¼" NPSI(f)	3/8" NPTF(f)	15,000	1,034	10,500	724	2-7/16 x 1-5/8	6.2 x 4.1	40" tall x 15" dia.	101.5 x 38	60	27.5

THESE PRODUCTS ARE REPAIRABLE AND RECYCLABLE - MADE AND ASSEMBLED IN U.S.A.

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DUALCO MANUAL BUCKET PUMPS

MANUAL BUCKET PUMPS are needed for high-pressure applications. Benefits include operating ease and smooth efficiency. These pumps are rugged, long lasting, precision manufactured and portable. The pumps' strong spring and follower plate assembly assures positive priming of all types of light or heavy lubricants, sealants, or packing in hot or cold weather and will pump materials to NLGI-4 viscosity. The **DUALCO MANUAL BUCKET PUMPS** come as pictured, complete with a 10 ft., 3/8" I.D. high-pressure swivel hose with giant button head coupler, follower plate assembly, spring, 15,000 psi liquid-filled gage, and check valve assembly unless otherwise ordered. These are two-stage hand-operated pumps developing up to 15,000 psi with a delivery rate of approximately 1/16 oz. per stroke and available in six models. These pumps are convenient to use when air supply is not available.

Model 11210

Model 11200

Model 11200 is a compact pump, weighing only 23.5 lbs., that easily attaches to a 20 lb., 3-1/2 gallon pail of lubricant, sealant or packing. It combines the advantages and conveniences of an easy pumping operation with the maneuverability and portability of a light hand gun.

Model 11210 is the same as model 11200, but with a 40 lb. 5-gallon capacity, weighing only 24.5 lbs.

Model 11220 is the same as model 11200, but with a 1"-14 UNS(f) swivel outlet connection.
Model 11230 is the same as model 11210, but with a 1"-14 UNS(f) swivel outlet connection.

Model 11185 is a compact pump weighing only 20 lbs. that easily attaches to a 20 lb., 3-1/2-gallon pail of lubricant, sealant, or packing.

Model 11235 is the same as model 11185 but with a 40 lb. 5-gallon capacity, weighing only 21 lbs.

Models 11185 and 11235 do not have springs and follower plates.

Model 11185

Model 11235

INQUIRE REGARDING OTHER AVAILABLE MODELS INCLUDING HOSE ASSEMBLY OPTIONS

USES FOR THE DUALCO MANUAL BUCKET PUMP INCLUDE

PUMPING MATERIAL INTO VALVES AND PUMPS WHEN HIGH VOLUME & PORTABILITY ARE REQUIRED

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS & OTHER FUELS

PUMPING & COMPRESSOR STATIONS, REFINERIES & CHEMICAL PLANTS

STEEL MILLS … LUMBER & PAPER MILLS

GAS & OIL DRILLING/PRODUCTION FIELDS

ASPHALT, RUBBER, WATER & SEWAGE TREATMENT PLANTS

HEAVY EQUIPMENT & MANUFACTURING

MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE BLEEDER VALVE AND RELIEF VALVE
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, PACKING & CLEANERS
- EASILY REFILLED
- GREATER PRESSURES ARE ACHIEVABLE WITH LESS EFFORT THAN SCREW-TYPE LEVER GUNS
- HEAVY DUTY, METAL CONSTRUCTION
- LIGHT WEIGHT AND PORTABLE
- IDEAL FOR LONG PRODUCTION WITH LESS EFFORT THAN CONVENTIONAL GUNS
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

FOR PUMPING STICK MATERIAL OR HEAVY PACKING, CONSULT DUALCO FOR OTHER EQUIPMENT OPTIONS

SPECIFICATIONS **OPERATE WITH CAUTION AND SAFETY**

Model	Dual Outlet Pump Connections	Hose Assembly Outlet Connections	Maximum Operating Pressure		Delivery/Stroke		Measurements (LWH)		Net Weight	
			PSI	Bars	Ounce	Grams	Inches	Cm	Pounds	Kg
11200	1/4" NPTF(f)	G. B. Coupler	15,000	1034	0.063	1.78	22 x 13 x 18	55.8 x 33 x 45.6	23.5	10.7
11210	1/4" NPTF(f)	G. B. Coupler	15,000	1034	0.063	1.78	22 x 13 x 21	55.8 x 33 x 53.3	24.5	11.2
11220	1/4" NPTF(f)	1"-14 UNS(f)	15,000	1034	0.063	1.78	22 x 13 x 18	55.8 x 33 x 45.6	24	10.9
11230	1/4" NPTF(f)	1"-14 UNS(f)	15,000	1034	0.063	1.78	22 x 13 x 21	55.8 x 33 x 53.3	25	11.4
11185	1/4" NPTF(f)	G.B. Coupler	15,000	1034	0.063	1.78	22 x 13 x 18	55.8 x 33 x 45.6	20	9.1
11235	1/4" NPTF(f)	G.B. Coupler	15,000	1034	0.063	1.78	22 x 13 x 21	55.8 x 33 x 53.3	21	9.5

THESE PRODUCTS ARE REPAIRABLE AND RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

DUALCO

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COUPLERS · FITTINGS · ADAPTERS · TOOLS

10670 - GIANT BUTTON HEAD COUPLER
For pull on service. 7/16"· 27 NS(f) inlet.

10630 - GIANT BUTTON HEAD COUPLER
includes adapter. For pull on service. Adapter has 1/8" NPT(f) inlet.

10860 - GIANT BUTTON HEAD COUPLER
For pull, push or hook on service. 7/16" - 27 NS(f) inlet.
10730 . For pull or push on service.

10595 - STANDARD BUTTON HEAD COUPLER
For pull on service. 7/16"· 27 NS(f) inlet.
10665 - includes adapter with 1/S" NPT(f) inlet.

10850 - GIANT BUTTON HEAD COUPLER
with 1-3/8" hex body
heavy duty. For pull, push or hook on service. 1/4" NPT(f) inlet.
10855 - with steel piston.
10885 - with automatic shut off piston.

10880 . GIANT BUTTON HEAD COUPLER
heavy duty with relief valve. For pull or push on service. 1/4" NPT(f) inlet.
10875 - with steel piston.
10870 - with automatic shut off piston.

10765 - P.B. FITTING ADAPTER
For temporary leak seal. Giant button head fitting inlet X giant button head coupler outlet.
10585 - giant button head fitting inlet X standard button head coupler outlet.
10735 - standard button head fitting inlet X standard button head coupler outlet.

10695 - SCREW CONNECTION COUPLER
For servicing vent cap fittings. 1/4" NPT(m) inlet XI"· 14 UNS(f) outlet.
10715 - 1/4" NPT (m) inlet x 3/4" UNF (f) outlet
10935 - 1/4"NPT(m) inlet x 7/8" -14UNF (f) outlet

10484 . BLEEDER PLUG
boll type. 3/8" NPT(m).

10528 - FITTING ADAPTER.
1/2" . 20 NF(m) X 1/2" NPT(f)

10732 - CONE ADAPTER
For adopting vent cop fittings. 1" . 14 UNS(m) X 7/8" . 14 UNF(f) cone.
10594 - 1"· 14 UNS(m) x 3/4"-16 UNF (f) cone.
11177 -1"·14 UNS(m) x 5/8"-16 UNF (f) cone.

10693 - PIPE NIPPLE
1/4" NPT(m) both ends.

10702 - PIPE COUPLING
1/4" NPT(f) both ends.

10629 - COUPLER ADAPTER
7/16"·27 NS(m) X 1/8" NPT(f).

OTHER MATERIALS, OPTIONS AND SIZES ARE AVAILABLE. REPLACEMENT PARTS ARE AVAILABLE ON SOME ITEMS.

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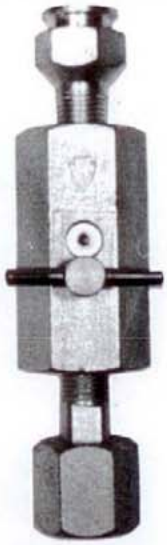
COUPLERS · FITTINGS · ADAPTERS · TOOLS

10720 - PRESSURE RELEASING TOOL
For use with vent cap fittings and other equipment. Has hardened stem for longer life. 1" - 14 UNS(f) connection, 1/2" NPT(f) thread side port.

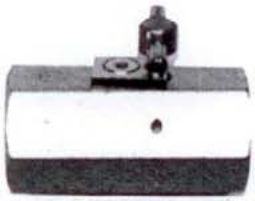
10733 - LUBRICATION ADAPTER
Giant button head inlet X 1" - 14 UNS(f) outlet.
11102 - with 3/4" - 16 UNF (f) outlet.



11040 - LUBRICATION ADAPTER
With check valve and pressure release for added safety. Giant button head inlet X 3/4" - 16 UNF(f) outlet.
11045 - With 1" - 14 UNS(f) outlet.

10640 - PRESSURE RELEASE COUPLER
Included for safety are hardened components and ball check. Release valve allows easy removal from fitting. 1/4" NPT (f) inlet X 1" - 14 UNS(f) outlet.

10945 - CHECK VALVE
1/4" NPT(m) inlet X 1/4" NPT(f) outlet.



10685 - CHECK VALVE WITH PRESSURE RELEASE
Features include hardened components and a release valve. 1/4" NPT(f) inlet X 1/4" NPT(f) outlet.

10472 - INJECTION FITTING
For use with packing or sealant. 3/8" NPT(m).

10411 - GIANT BUTTON HEAD FITTING
Includes double ball check for added safety. 1/4" NPT(m).

10425 - VENT CAP FITTING
1" - 14 UNS (f) inlet x 1/4" NPT (m) outlet

10462 - TWO PIECE POSITIVE SEAL
Double ball check and metal to metal seat. Giant button head inlet X 3/8" NPT(m) outlet.

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DUALCO VALVE LUBRICATION ADAPTER KIT - MODEL 11575

The DUALCO VALVE LUBRICATION ADAPTER KIT is needed by qualified personnel to perform routine or emergency Valve Maintenance on Pipeline Valves in the field or at Pipeline Pump and Compressor Stations. Valve Maintenance is easier and cost effective with this kit.

The DUALCO VALVE LUBRICATION ADAPTER KIT is necessary when these Valve Maintenance issues need to be resolved.

- **Leaking valve lube sealant fittings**
- **Relieving fitting pressure**
- **Painted, damaged, or plugged fittings**
- **Fitting Conversions to Giant Button Heads**
- **Adapters are needed**

A COMPLETE LINE OF VALVE LUBE SEALANT FITTINGS AND ACCESSORIES IS AVAILABLE.

INQUIRE REGARDING OTHER AVAILABLE FITTING AND ACCESSORY KIT OPTIONS

MODEL 11575 Valve Lubrication Kit – Assembly List (includes one each)

Product ID	Product Name
10488	Bleeder Plug – Ball Type, ½" NPT(m)
10585	Piggy Back Fitting Adapter – Standard Button Head Outlet
10720	Pressure Releasing Tool – 1" – 14 UNS(f) Connection
10733	WKM Lubrication Adapter – Giant Button Head Fitting Inlet x 1" - 14 UNS(f) Outlet
10765	Piggy Back Fitting Adapter – Giant Button Head Fitting Inlet x Giant Button Head Coupler Outlet
10850	Giant Button Head Coupler
11102	Lubrication Adapter – Giant Button Head Fitting Inlet x ¾" – 16 UNF(f) Outlet
11104	Lubrication Adapter – Giant Button Head Fitting Inlet x 7/8" – 14 UNF(f) Outlet
11386	Pressure Releasing Tool – ½" – 20(m) Connection, for Packing Injection Fittings
11495	Piggy Back Fitting Adapter – Vent Cap Fitting/Giant Button Head Inlet x Giant Button Head Coupler Outlet
11515	Piggy Back Fitting Adapter – Vent Cap Fitting/Giant Button Head Inlet x Standard Button Head Coupler Outlet
11580	M&J Packing Adapter – 7/16" – 20(m) with Vent Cap Fitting/Giant Button Head
11585	Daniel Packing Adapter – ½" – 20(m) with Vent Cap Fitting/Giant Button Head
11576	Rugged Heavy-Duty Case –Corrosion Resistant, Watertight, and Lifetime guarantee

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: NET WEIGHT 12 LBS. WITH CASE * 14" X 12" X 6"

MANY COMPONENTS WITHIN THIS PRODUCT ARE REPAIRABLE AND ALL ARE RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

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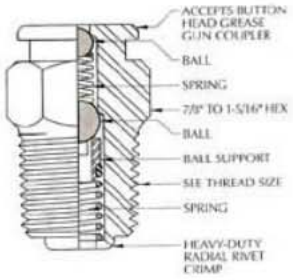
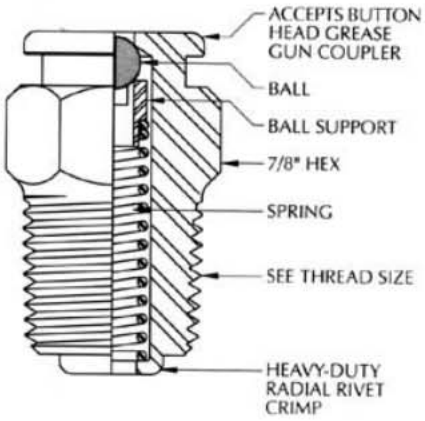
GIANT BUTTON HEAD FITTINGS
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	DOUBLE BALL CHECK
10411	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	
10412	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10413	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10414	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10415	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10416	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10417	3/4" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10418	3/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10373	1" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10374	1" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10376	5/8" - 11 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10377	3/4" 10 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10283	1/4" NPT	4140	- - - - - - - - -	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	



PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	SINGLE BALL CHECK
10401	1/8" NPT	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	
10402	1/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10403	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10404	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10405	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10406	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10407	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	
10408	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10372	3/8" -16 -UNC	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	



* CA = AISI 52100 CHROME ALLOY – OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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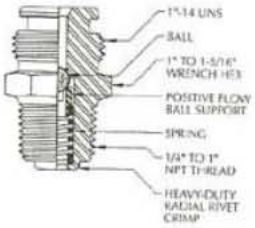
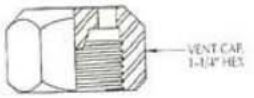
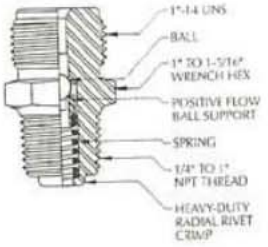
VENT CAP FITTINGS
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	WITH GIANT BUTTON HEAD
10435	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	
10438	1/4" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10437	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10439	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - -	CA*	302 SS	
10442	3/8" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10441	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10443	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10446	1/2" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10445	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10319	3/4" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10322	3/4" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10323	3/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10324	1" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10327	1" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10328	1" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	WITHOUT GIANT BUTTON HEAD
10421	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	
10424	1/4" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10423	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10425	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - -	CA*	302 SS	
10428	3/8" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10427	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10429	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10432	1/2" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10431	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10309	3/4" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10312	3/4" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10313	3/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10314	1" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10317	1" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	
10318	1" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	

*CA = AISI 52100 CHROME ALLOY -- OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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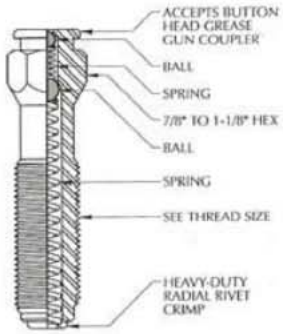
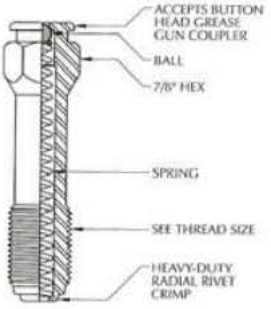
INJECTION FITTINGS – LUBE STICK
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	O.A.L.	DOUBLE BALL CHECK
10450	1/4" NPSM	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	2-7/16"	
10451	1/4" NSPM	316 SS	- - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	2-7/16"	
10452	3/8" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	3-3/8"	
10453	3/8" NPSM	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	3-3/8"	
10454	1/2" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	3-11/16"	
10455	1/2" NPSM	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	3-11/16"	
10456	3/4" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	4-5/8"	
10457	3/4" NPSM	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	4-5/8"	
10433	5/8" – 11 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	2-7/8"	
10434	3/4" - 10 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	3-1/16"	
10447	7/8" - 9 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	3-1/8"	



PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	O.A.L.	SINGLE BALL CHECK
10378	1/4" NPSM	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	2-3/8"	
10379	1/4" NPSM	316 SS	- - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	2-3/8"	
10381	3/8" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - -	CA*	302 SS	3-1/32"	
10382	3/8" NPSM	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	3-1/32"	
10383	1/2" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	3-5/8"	
10384	1/2" NPSM	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	3-5/8"	
10386	3/4" NPSM	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	4-3/4"	
10387	3/4" NPSM	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	4-3/4"	
10388	3/8" - 16 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	1-1/2"	
10389	1/2" - 13 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	2-1/8"	
10391	3/4" - 10 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	3-9/32"	
10392	1" - 10 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	4-5/8"	



* CA = AISI 52100 CHROME ALLOY - OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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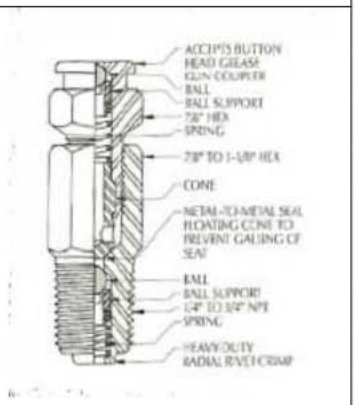
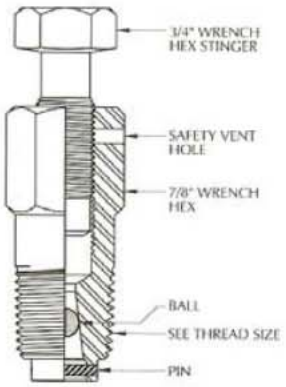
LOCK SEAL FITTINGS (Double Ball Check – Two Pieces)
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	WITH GIANT BUTTON HEAD
10460	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - -	CA*	302 SS	
10306	1/4" NPT	4140	Zinc-Cobalt	Rc22 Max (NACE)	K-Monel®	Inconel X-750	
10461	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10462	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10307	3/8" NPT	4140	Zinc-Cobalt	Rc22 Max (NACE)	K-Monel®	Inconel X-750	
10463	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10464	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10308	1/2" NPT	4140	Zinc-Cobalt	Rc22 Max (NACE)	K-Monel®	Inconel X-750	
10465	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	
10466	3/4" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	CA*	302 SS	
10467	3/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	



PACKING INJECTION FITTINGS (Floating Ball-Taper Cavity)
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL
10470	1/4" NPT	1215	Zinc-Cobalt	- - - - - - - - -	302 SS
10368	1/4" NPT	4140	Zinc-Cobalt	Rc Max (NACE)	K-Monel®
10471	1/4" NPT	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®
10472	3/8" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	302 SS
10474	3/8" NPT	316 SS	- - - - - - - -	Annealed (NACE)	K-Monel®
10475	3/8" NPT	4140	Zinc-Cobalt	Rc Max (NACE)	K-Monel®
10476	1/2" NPT	1215	Zinc-Cobalt	- - - - - - - - - - - - -	302 SS
479	1/2" NPT	4140	Zinc-Cobalt	Rc Max (NACE)	K-Monel®
10478	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®
10369	5/8" - 11 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	302 SS
10371	3/4" - 10 UNC	1215	Zinc-Cobalt	- - - - - - - - - - - - -	302 SS



* CA = AISI 52100 CHROME ALLOY – OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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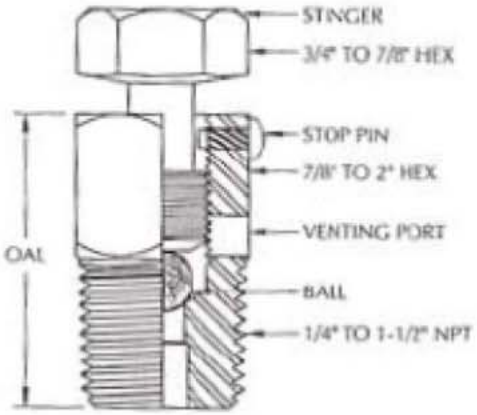
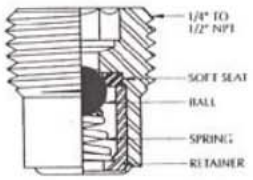
BLEEDER PLUGS (Hex Head)
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATE RIAL	HEX SIZE	O.A.L.	PLATING	HEAT TREATMENT	BALL
10492	1/4" NPT	1215	7/8"	1-5/8"	Zinc-Cobalt	- - - - - - - - - - -	440 SS
10485	1/4" NPT	4140	7/8"	1-5/8"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10489	1/4" NPT	316 SS	7/8"	1-5/8"	- - - - - - - - -	Annealed (NACE)	TC*
10484	3/8" NPT	1215	7/8"	1-9/16"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10487	3/8" NPT	4140	7/8"	1-9/16"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10486	3/8" NPT	316 SS	7/8"	1-9/16"	- - - - - - - - -	Annealed (NACE)	TC*
10488	1/2" NPT	1215	7/8"	1-1/2"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10491	1/2" NPT	4140	7/8"	1-1/2"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10490	1/2" NPT	316 SS	7/8"	1-1/2"	- - - - - - - - -	Annealed (NACE)	TC*
10352	3/4" NPT	1215	1-1/8"	1-5/8"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10353	3/4" NPT	4140	1-1/8"	1-5/8"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10354	3/4" NPT	316 SS	1-1/8"	1-5/8"	- - - - - - - - -	Annealed (NACE)	TC*
10356	1" NPT	1215	1-5/16"	2-3/16"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10357	1" NPT	4140	1-5/16"	2-3/16"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10358	1" NPT	316 SS	1-5/16"	2-3/16"	- - - - - - - - -	Annealed (NACE)	TC*
10359	1-1/4" NPT	1215	1-3/4"	2-5/16"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10361	1-1/4" NPT	4140	1-3/4"	2-5/16"	Zinc-Cobalt	Rc 22 Max (NACE)	TC*
10362	1-1/4" NPT	316 SS	1-3/4"	2-5/16"	- - - - - - - - -	Annealed (NACE)	TC*
10363	1-1/2" NPT	1215	2"	2-5/8"	Zinc-Cobalt	- - - - - - - - - - - - -	440 SS
10364	1-1/2" NPT	4140	2"	2-5/8"	Zinc-Cobalt	Rc Max (NACE)	TC*
10366	1-1/2" NPT	316 SS	2"	2-5/8"	- - - - - - - - -	Annealed (NACE)	TC*



INTERNAL CHECK VALVE—SINGLE BALL CHECK
RATED TO 10,000 PSI

PART NO.	THREAD SIZE	MATERIAL	PLATING	HEAT TREATMENT	BALL	SPRING	O.A.L.
11261	1/4" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	3/4''
11262	1/4" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	3/4''
11263	3/8" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	7/8''
11264	3/8" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	7/8''
11266	1/2" NPT	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®	Inconel X-750	15/16''
11267	1/2" NPT	316 SS	- - - - - - - - -	Annealed (NACE)	K-Monel®	Inconel X-750	15/16''



* TC = TUNGSTEN CARBIDE - OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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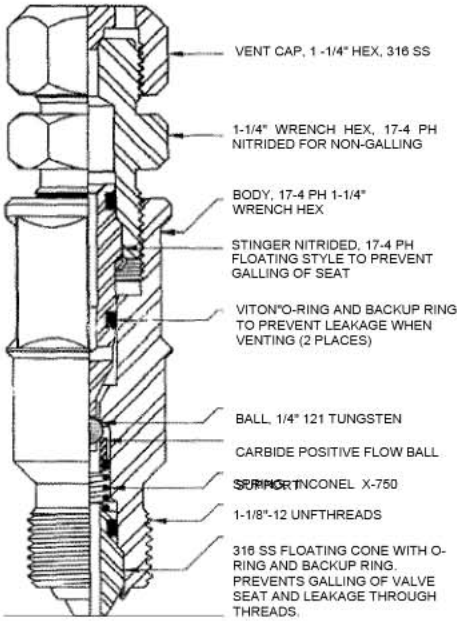
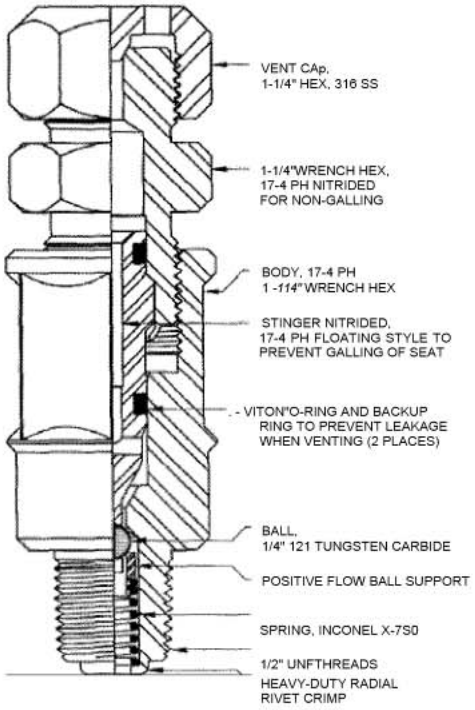
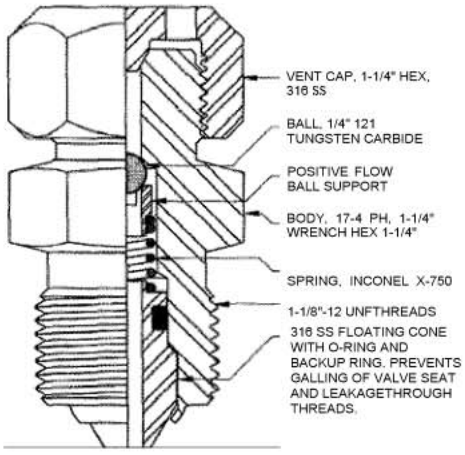


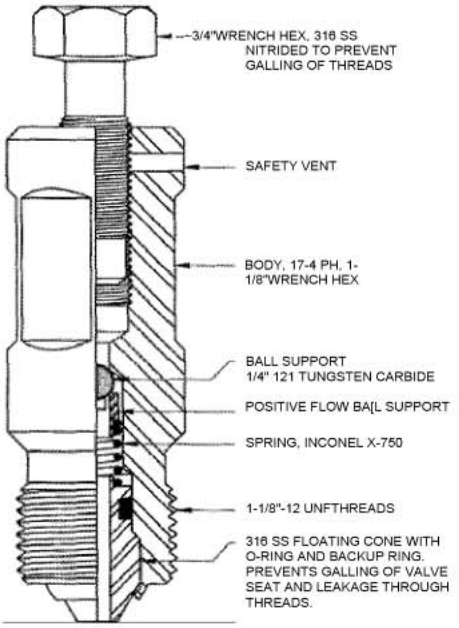
10495 - Blowdown Fitting
9/16" Autoclave Style - Rated to 20,000 PSI



10496 - Blowdown Fitting 1/2"
NPT - Rated to 10,000 PSI



10497 - Lubrication Fitting
9/16" Autoclave Style - Rated to 20,000 PSI



10498 - Packing Injection Fitting
9/16" Autoclave Style - Rated to 20,000 PSI

OTHER MATERIALS, OPTIONS, SIZES, AND PLATING AVAILABLE

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8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
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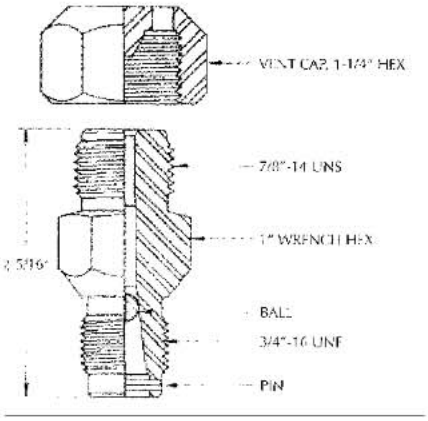
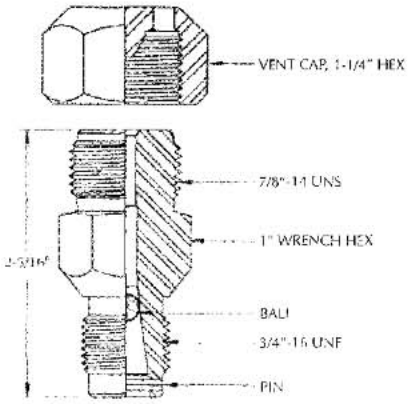
VENT CAP FITTINGS - COMPOUND RATED TO 10,000 PSI



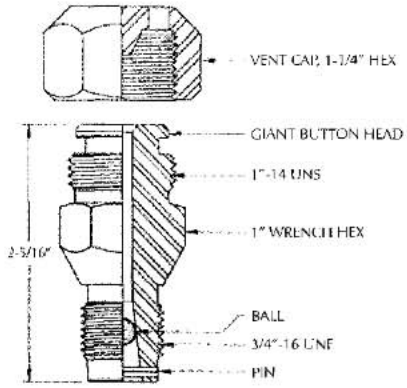
3/4" - 16 UNF ENGAGEMENT THREAD
7/8" - 14 UNS CAP THREAD

PART NO.	MATERIAL	PLATING	HEAT TREATMENT	BALL
10291	1215	Zinc-Cobalt	----------	CA*
10292	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®
10293	316 SS	----------	Annealed (NACE)	K-Monel®



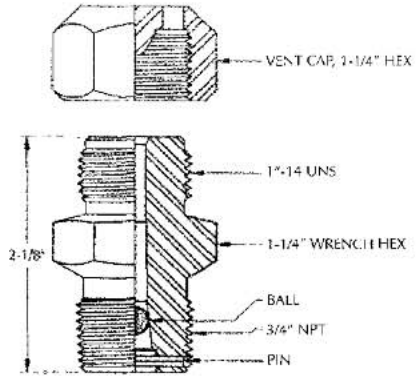
3/4" - 16 UNF ENGAGEMENT THREAD
1" - 14 UNS CAP THREAD

PART NO.	MATERIAL	PLATING	HEAT TREATMENT	BALL
10294	1215	Zinc-Cobalt	----------	CA*
10296	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®
10297	316 SS	----------	Annealed (NACE)	K-Monel®



3/4" - 16 UNF ENGAGEMENT THREAD
1" - 14 UNS CAP THREAD with GIANT BUTTON HEAD

PART NO.	MATERIAL	PLATING	HEAT TREATMENT	BALL
10291	1215	Zinc-Cobalt	----------	CA*
10292	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®
10293	316 SS	----------	Annealed (NACE)	K-Monel®



3/4" NPT ENGAGEMENT THREAD
1" - 14 UNS CAP THREAD

PART NO.	MATERIAL	PLATING	HEAT TREATMENT	BALL
10294	1215	Zinc-Cobalt	----------	CA*
10296	4140	Zinc-Cobalt	Rc 22 Max (NACE)	K-Monel®
10297	316 SS	----------	Annealed (NACE)	K-Monel®

*CA = AISI 52100 CHROME ALLOY – OTHER MATERIAK\LS, OPTIONS, SIZES, AND PLATING AVAILABLE

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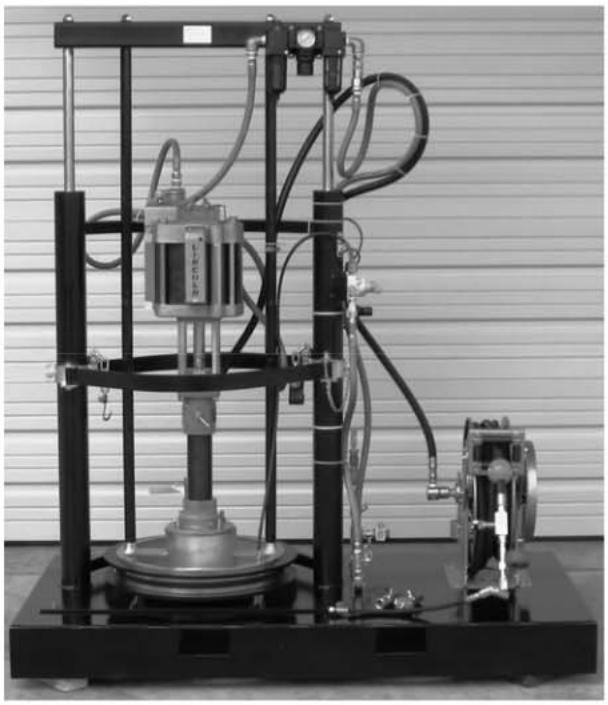
SKID-MOUNTED LUBRICATION ASSEMBLIES



MODEL 11610

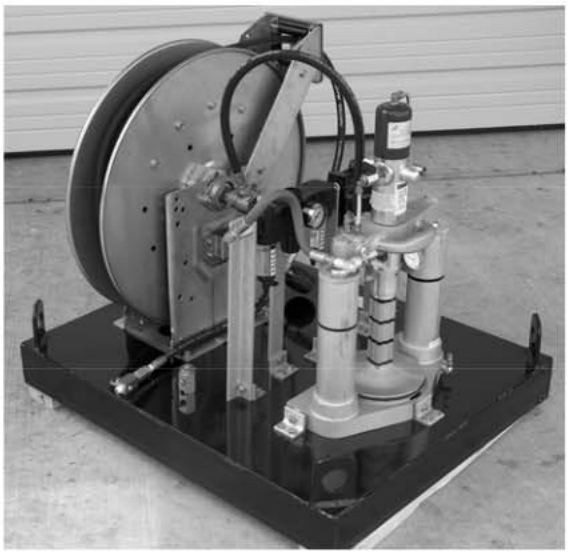
55-GALLON PNEUMATIC UNIT AND STAINLESS STEEL HOSE REEL

Custom designed and built for a Valve Manufacturing Production plant. This unit is rated at 7,500 psi and delivers 6-1/4 lbs. in one minute from the end of a ½ inch I.D. 50 ft. hose.

MODEL 11545

5-QUART, 10-LB PNEUMATIC UNIT 100 TO 1 RATIO PUMP AND STAINLESS STEEL HOSE REEL

Custom designed and built for a valve manufacturer to use in India's offshore waters. This unit utilizes a 3/8 inch I.D., 75 ft. hose. With this hose, 110 psi inlet pressure delivers 6,300 psi at the giant button head coupler. At plus 74 ˚F, this unit will deliver over 10,000 psi with a 10 ft. hose at 110 to 125 inlet pressure.



OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS, DRUM SIZES, COMPRESSOR, CONTAINER AND SKID TYPES ARE AVAILABLE.

OPERATE WITH CAUTION AND SAFETY

THESE PRODUCTS ARE SERVICEABLE, RECYCLABLE, AND PARTS ARE AVAILABLE

MADE AND ASSEMBLED IN U.S.A.

DUALCO

8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
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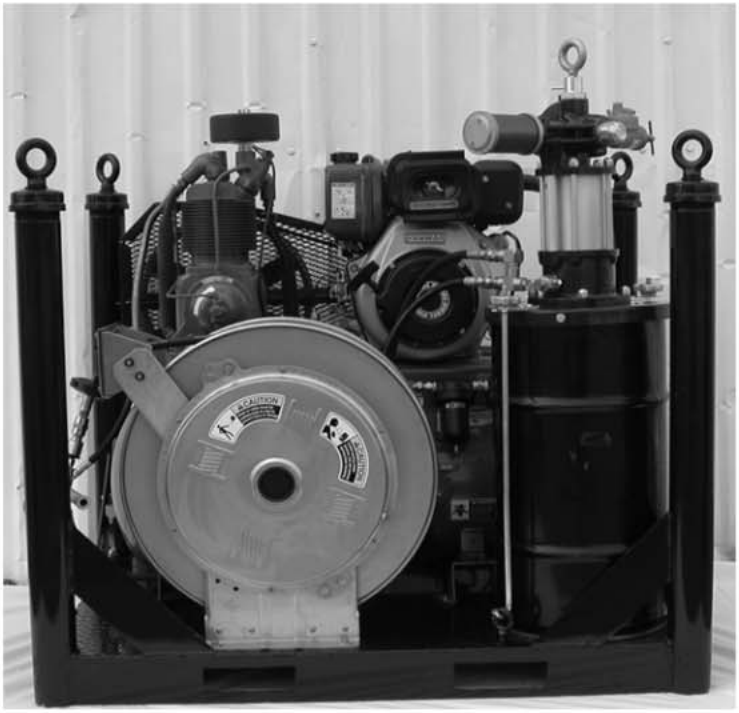
SKID-MOUNTED LUBRICATION ASSEMBLY – MODEL 11600

Rated to 10,000 psi



The DUALCO SKID-MOUNTED LUBRICATION ASSEMBLY is needed for high-pressure and volume distribution applications when 120 lb. drums are used. This Assembly is necessary and ideal for remote locations where no other power source such as air, gas, or electric is available. Performing well in hot or cold weather, this Assembly is rugged, long lasting, precision-manufactured, and will pump various types of light or heavy lubricants, sealants, packing, or cleaners that are up to NLGI-4.

The longer lasting diesel engine included in this Assembly builds pressure rapidly, and 10 H.P. affords extra power, when needed, to pump heavy or special materials efficiently. By having a Stainless Steel Hose Reel, more corrosion protection and longer life is possible than conventional hose reels. This DUALCO SKID-MOUNTED LUBRICATION ASSEMBLY is easily vehicle-transported from job site to job site and either loaded onto the vehicle from the top of the Assembly via the four lifting eyes or from the bottom via the forklift slots.

OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS, DRUM SIZES, ENGINE & SKID TYPES AVAILABLE

USES FOR THE DUALCO SKID-MOUNTED LUBRICATION ASSEMBLY INCLUDE

LUBRICATING PUMPS AND BALL, GATE & PLUG VALVES

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS AND OTHER FUELS

PUMPING & COMPRESSOR STATIONS

REFINERIES & CHEMICAL PLANTS

GAS & OIL DRILLING/PRODUCTION FIELDS ON LAND & OFFSHORE

HEAVY EQUIPMENT, MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE TAMPER PROOF RELIEF VALVE, BLEEDER VALVE AND 2 AIR REGULATORS
- COMPACT, PORTABLE AND LIGHTWEIGHT
- COMPLETELY SELF-CONTAINED AND SELF-POWERED
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, PACKING or CLEANERS
- EASY DRUM CHANGE OVER
- HEAVY DUTY CONSTRUCTION
- EASY START-UP AND SHUT-DOWN
- SPARK RESISTANT ALUMINUM SKID WITH HIGH-TEMPERATURE PAINT
- STAINESSS HOSE REEL
- EASILY SERVICEABLE AND PARTS ARE AVAILABLE

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: NET WEIGHT 850 lbs. • SHIPPING WEIGHT 1,020 lbs. • DIMENSIONS 53" X 38" X 54" tall • SHIPPING DIMENSIONS 54" X 44" X 60" • AIR PUMP INLET ¾" NPT(f) • AIR PUMP MATERIAL OUTLET ½" NPT(f) • SELF PRIMING PUMP • AIR CONSUMPTION 20 CFM TO 200 CFM • DELIVERY UP TO 13 lbs/min. • 10 H.P. DIESEL ENGINE, 30 gal. AIR COMPRESSOR TANK • 100 ft. DISCHARGE HOSE • HOSE ASSEMBLY OUTLET CONNECTION = G.B. COUPLER

THIS PRODUCT IS REPAIRABLE AND RECYCLABLE

MADE AND ASSEMBLED IN U.S.A.

DUALCO

8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
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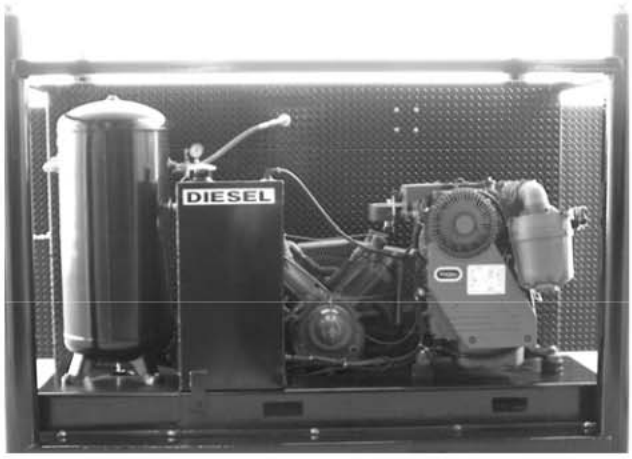
SKID-MOUNTED LUBRICATION ASSEMBLY – MODEL 11570

Rated to 10,000 psi

Front Side View with Open Doors



Back Side View without Doors

OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS, DRUM SIZES, COMPRESSOR, CONTAINER & SKID TYPES AVAILABLE

DUALCO's Model 11570 is a high-pressure, skid-mounted, fully-transportable lubrication assembly. It is ideal for gathering, transmission, plant, or offshore applications. This assembly is equipped to operate with two 5-quart, 10 lb. containers. Included is a fully enclosed, lockable, heavy-duty steel, sealed service cabinet. This self-contained lubrication assembly is designed for remote locations where power sources, such as electricity, air, or gas, are not available. Model 11570 performs well in hot or cold environments and is a precision-manufactured, rugged, long lasting assembly. It is designed to pump various types of heavy or light lubricants, sealants, packing or cleaners up to NLGI-4.

The Diesel-powered Air Compressor in this assembly builds pressure rapidly, affording extra pneumatic power when needed. This quick response increases the assembly's ability to pump heavy or special materials efficiently. By utilizing Stainless Steel Hose Reels instead of conventional reels, increased corrosion protection and longer life is assured. Model 11570 is easily vehicle-transported from job site to job site and is loaded from top lift points of the assembly, or from the assembly bottom, via forklift.

FEATURES

- Completely Self-Contained and Self-Powered
- Superior Pumping Performance with Lubricants, Sealants, Packing and Cleaners
- Used for Lubricating Pumps, Ball, Gate and Plug Valves
- Safety Devices, include Relief Valves, Bleeder Valves, Bleeder Lines, and Air Regulators
- 2 Stainless Steel Hose Reels
- 10,000 psi W.P. Hoses
- Heavy-Duty Construction
- Easy Start-Up and Shut-Down
- Easy 5-quart Container Change-Over

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: SHIPPING WEIGHT 3,555 lbs., NET WEIGHT 2,800 lbs. (without grease) • 86" x 61" x 66" tall • CUSTOM METAL SKID • DIESEL AIR COMPRESSOR • STEEL SERVICE CABINET • CONTROL PANEL • LARGE CAPACITY FUEL TANK • 100:1 RATED AIR PUMPS • HEAVY DUTY STAINLESS STEEL HOSE REELS with 30 ft. DISCHARGE HOSES.

EASILY SERVICEABLE AND PARTS ARE AVAILABLE

DUALCO

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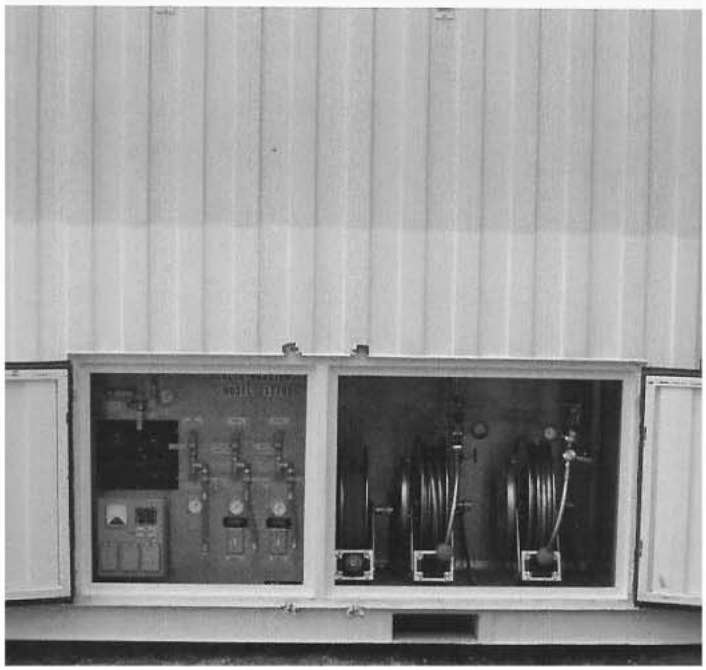
CONTAINERIZED LUBRICATION ASSEMBLY – MODEL 11700

Rated to 14,000 psi



The DUALCO CONTAINERIZED LUBRICATION ASSEMBLY is needed for high-pressure and volume distribution applications when multiple 400 lb. drums are used. This Assembly is necessary and ideal for remote locations where no other power source such as air, gas, or electric is available. Performing well in hot or cold weather, this Assembly is rugged, long lasting, precision-manufactured, and will pump various types of light or heavy lubricants, sealants, packing, or cleaners that are up to NLGI-4.

The Diesel Air Compressor included in this Assembly builds pressure rapidly, and affords extra power when needed, to pump heavy or special materials efficiently. By having Stainless Steel Hose Reels, more corrosion protection and longer life is possible than conventional hose reels. This DUALCO CONTAINERIZED LUBRICATION ASSEMBLY is easily vehicle-transported from job site to job site and either loaded onto the vehicle from the top of the Assembly or from the bottom via forklift slots. A two-wheel drum dolly is included to maneuver 55-gal. drums within container.

OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS, DRUM SIZES, COMPRESSOR, CONTAINER & SKID TYPES AVAILABLE

USES FOR THE DUALCO CONTAINERIZED LUBRICATION ASSEMBLY INCLUDE

LUBRICATING PUMPS AND BALL, GATE & PLUG VALVES

COMMON INDUSTRY APPLICATIONS

PIPELINES CONVEYING CHEMICALS, CRUDE/REFINED OIL, NATURAL GAS, LPG, HYDROCARBONS AND OTHER FUELS

PUMPING & COMPRESSOR STATIONS

REFINERIES & CHEMICAL PLANTS

GAS & OIL DRILLING/PRODUCTION FIELDS ON LAND & OFFSHORE

HEAVY EQUIPMENT, MINING & MARINE, INDUSTRIAL & MUNICIPAL UTILITIES

FEATURES

- SAFETY DEVICES INCLUDE RUNAWAY VALVES, RELIEF VALVES, BLEEDER VALVES AND AIR REGULATORS
- INCLUDES TWO PRESSURE PRIMERS AND TWO PUMPS
- COMPLETELY SELF-CONTAINED AND SELF-POWERED
- SUPERIOR PUMPING PERFORMANCE WITH LUBRICANTS, SEALANTS, PACKING & CLEANERS
- EASY DRUM CHANGE OVER/DUAL DRUM STORAGE
- HEAVY DUTY CONSTRUCTION
- EASY START-UP AND SHUT-DOWN
- INCLUDES DUALCO 11410, PORTABLE 10,000 PSI AIR PUMP FOR 5 GAL. PAIL
- STAINESSS HOSE REELS PUMP CYCLE COUNTERS
- WORK BENCH, VISE, TOOL CABINET AND TOOLS

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: SHIPPING AND NET WEIGHT 9,750 lbs. (WITHOUT GREASE) · DIMENSIONS 20' X 8' X 9.5' tall · CUSTOM METAL CARGO CONTAINER · DIESEL AIR COMPRESSOR · ALUMINUM SERVICE CABINET · CONTROL PANEL · BARREL PUMPS AND PRESSURE PRIMERS · PORTABLE PUMP & 60 ft. AIR HOSE · STAINLESS STEEL HOSE REELS WITH 100 ft. DISCHARGE HOSES.

EASILY SERVICEABLE AND PARTS AVAILABLE

DUALCO

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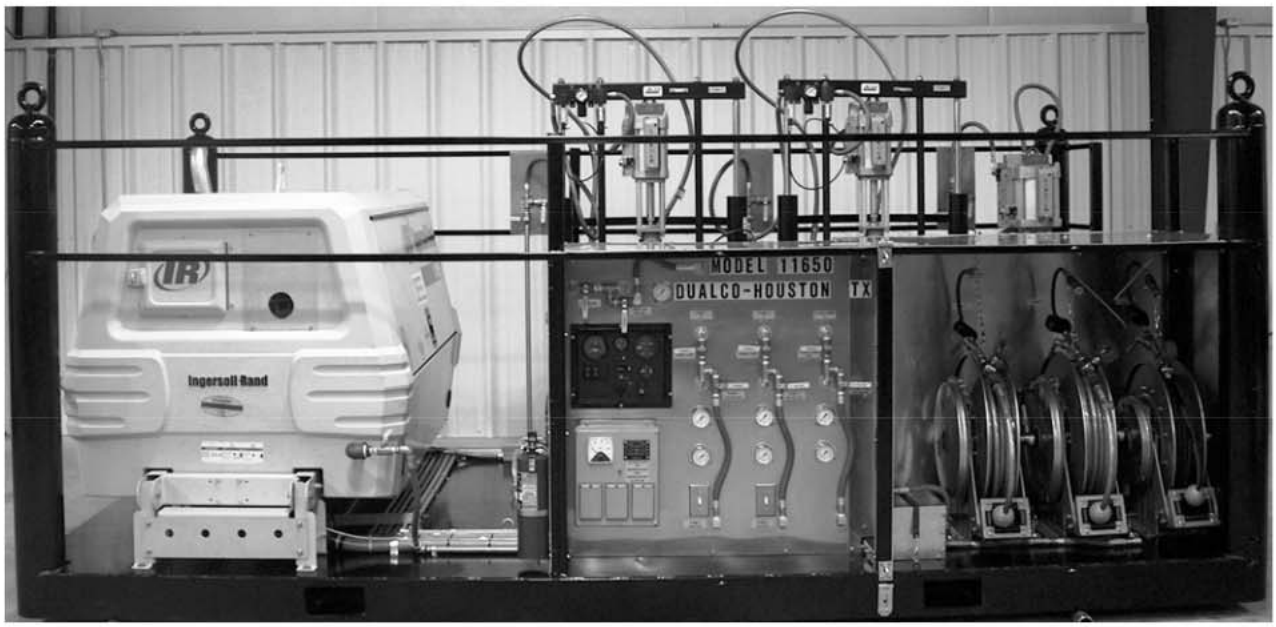
SKID-MOUNTED LUBRICATION ASSEMBLY – MODEL 11650

Rated to 14,000 psi



OTHER MODELS INCLUDING HOSE ASSEMBLY OPTIONS, DRUM SIZES, COMPRESSOR, CONTAINER & SKID TYPES AVAILABLE

DUALCO's Model 11650, high-pressure, high-volume, skid-mounted, fully-transportable lubrication assembly, is ideal for gathering, transmission, distribution and plant applications. It is equipped to operate with multiple 55-gallon (400 to 440 pound) drums and includes an additional 5-gallon (40 pound) lubrication unit. This smaller unit is designed to pump cleaners and lubricants at pressures up to 10,000 psi. This self-contained lubrication assembly is designed for remote locations where power sources, such as electricity, air, or gas, are not available. The 11650 performs well in hot or cold environments and is a precision-manufactured, rugged, long lasting assembly. It is designed to pump various types of heavy or light lubricants, sealants, packing or cleaners up to NLGI-4.

The Diesel Generator/Air Compressor which powers this assembly builds pressure rapidly, affording extra electrical and pneumatic power when needed. This quick response increases the assembly's ability to pump heavy or special materials efficiently. By utilizing Stainless Steel Hose Reels instead of conventional ones, increased corrosion protection and longer life is assured. The 11650 is easily vehicle-transported from job site to job site and is loaded from top lift points of the assembly, or from the assembly bottom, via forklift.

FEATURES

- Completely Self-Contained and Self-Powered
- Superior Pumping Performance with Lubricants, Sealants, Packing and Cleaners
- Used for Lubricating Pumps, Ball, Gate and Plug Valves
- Safety Devices, include Runaway Valves, Relief Valves, Bleeder Valves and Air Regulators
- Includes 3 Pressure Primers and 3 Pumps
- Stainless Steel Hose Reels and Hoses – Includes a Flow Counter on each Hose Assembly
- Heavy-Duty Construction and Easy Drum Change-Over
- Easy Start-Up and Shut-Down

OPERATE WITH CAUTION AND SAFETY

SPECIFICATIONS: SHIPPING WEIGHT 8,000 lbs., NET WEIGHT 7,800 lbs. (WITHOUT GREASE) • DIMENSIONS 14' X 8' X 7' tall • CUSTOM METAL SKID • DIESEL AIR COMPRESSOR • ALUMINUM SERVICE CABINET • CONTROL PANEL • BARREL PUMPS AND PRESSURE PRIMERS • FLUSH PUMP & 60 ft. HOSE • STAINLESS STEEL HOSE REELS WITH 100 ft. DISCHARGE HOSES

THIS PRODUCT IS SERVICEABLE, RECYCLABLE, AND PARTS ARE AVAILABLE

DUALCO

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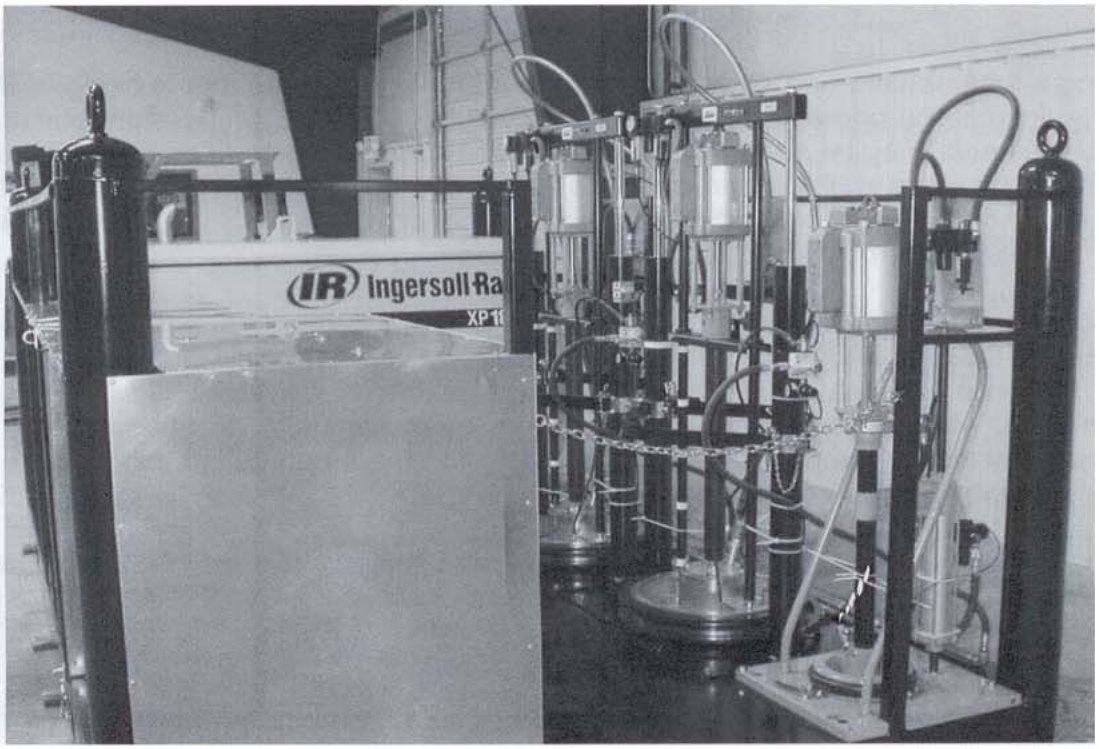

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VALVE LUBRICANTS, SEALANTS, CLEANERS AND PACKING

"Materials Built to Exacting Specifications"

COMPARISON INFORMATION

When selecting a valve lube sealant, valve cleaner, or a valve stem packing, the material in the "line" being controlled by the valve to be serviced, is the primary consideration, closely followed by temperature and pressure considerations. Any of several products may be adequate for a particular application. But considerations, such as the need for extra lubricity, sealability, the material's ability to "plate out" (cover and protect) metal surfaces, the presence of CO_2, H_2S, water, and trash such as sand, rust, dust, old hardened sealants and welding slag, are also extremely important considerations.

Material comparisons should be based upon formula, physical properties, and application (functional similarities). Since the proprietary formulas of other companies' materials are not available, the only comparisons that can legitimately be made have to be based on application and, to an extent, physical properties. Also, experience has taught that even basing a decision on the lube sealant currently in use may not be the best approach. All too often, the lube sealant or packing from another company currently in use, is inadequate or just wrong for the application intended.

DUALCO predominantly uses synthetic oil-based materials instead of (vegetable) oil-based products. Products are manufactured utilizing a reaction blending process, and are not just "cold blended."

Contact DUALCO to discuss your need for specific applications. DUALCO will custom blend special formulations that are not shown. Products can be manufactured to suit specific customer requirements.

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APPLICATION INFORMATION

DUALCO VALVE LUBRICANTS, SEALANTS, PACKING, AND CLEANERS are manufactured to the highest standards with the best available materials. When using DUALCO products, you are partnering with one of the world's premium lubrication equipment manufacturers.

The importance of using DUALCO Valve Lube Sealants is underscored by in-depth laboratory testing. Successful use by a large variety of users, for many years is well documented.

REASONS TO USE DUALCO VALVE LUBE SEALANTS

- Valve Lube Sealants are tested to assure maximum valve performance, as these Features are stressed:

  a. Support and maintain proper valve operating torque
  b. Resistance to harmful solvents
  c. Water insolubility
  d. Extreme temperature resistance
  e. Shear stress boundaries
  f. Chemical degradation limits
  g. Lubricity
  h. Sealability

- All products are closely controlled throughout the manufacturing process.
- Complete laboratory testing is conducted to assure all products are non-hazardous, non-toxic, biodegradable and environmentally safe.
- Traceability is maintained for a minimum of one year on every product batch. Traceability for additional years can be offered upon request.
- Technical assistance, expertise, and quality assurance reports are available upon request.
- Custom, formulated products, made to customer specifications for a variety of services are available.

WHAT IS A VALVE LUBE SEALANT

- Valve Lube Sealants are available in at least two common forms:

  a. **STICK** form is generally used when sealability is the most important requirement by, but not limited to Plug Valves. "J", "K", and "S5" Sticks are packaged in biodegradable cellophane. Other sizes are packaged in plastic containers.

  b. **BULK** form is generally used when lubricity is the most important requirement by, but not limited to Gate and Ball Valves. Less viscous, bulk material easily flows through small lubrication ports and confined lubricant channels, providing critical lubrication to these hard-to-reach valve parts. See Ordering Information for bulk packaging.

- Both Stick and Bulk forms provide:

  a. Lubricity

  b. Sealability

  c. Viscosity variance

  d. Compatibility with all Valve Maintenance equipmen

- Both Stick and Bulk forms are available in Industry standard stick and bulk packaging. See ordering Information.
- Synthetic base oils, thickeners and additives are chemically reacted to form premium products.
- Valve Lube Sealants are an integral part of every lubricated Plug valve and other lubricated valve styles.
- When the proper Valve Lube Sealant is used, the chemical attacks and corrosive characteristics of pipeline flow material is resisted.
- A flexible renewable seal around the valve port is formed when the proper Valve Lube Sealant is used.

THE IMPORTANCE OF USING DUALCO VALVE LUBE SEALANTS

- To secure an absolutely pressure tight seal.
- Form a seal and provide a lubricating film between the valve's internal sealing surfaces.
- Depending on the service application, a valve seal can be maintained over a range of temperatures and pressure with the correct lube sealant.
- Lubricates and prevents unwanted metal-to-metal contact and galling of valve sealing surfaces.
- In lubricated valves, sealant provides a flexible and renewable seat. For this reason, the sealant must not only have correct plasticity, but also resistance to pipeline fluids such as harmful solvents and chemicals.
- Plug Valve "Jacking" occurs when the pressurized Lube Sealant supplies the hydraulic means for lifting the plug from its tapered seat.
- Corrosion resistance and corrosion prevention of internal valve parts is enhanced.

GENERAL PURPOSE (GP)

General Purpose combination lubricant / sealant is suitable for plug, ball and gate valves. DUALCO GP is off-white in color and has a temperature range of **-** 28° F to **+** 400° F. DUALCO GP meets U.S. Government Specification SAE. AMS-G-6032, NATO Code #G-6032 "Grease, Plug Valve, Gasoline & Oil Resistant." DUALCO GP is 100% synthetic and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. It is water resistant, inhibited for H_2S and CO_2 applications and resistant to organic acids and caustic solutions. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GP is made from 100% synthetic materials. It is inhibited to resist H_2S (<1000 ppm) and CO_2 (< 40%). It provides high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

GENERAL PURPOSE BLACK (GPB)

General Purpose Black is a combination lubricant / sealant with ultra-fine graphite added for additional lubricity. This material is suitable for use in plug, ball, and gate valves. DUALCO GPB is black in color and has a temperature range of **-** 28° F to **+**400° F. U.S. Government Specification SAE. AMS-G-6032, Nato Code #G-6032 "Grease, Plug Valve, Gasoline & Oil Resistant" applies to this product. DUALCO GPB is 100% synthetic with stable, non-reactive materials and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. It is water resistant, is inhibited for H_2S (<1000 ppm) and CO_2 (<40%) applications and is resistant to organic acids and caustic solutions. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GPB is made from 100% synthetic materials and utilizes ultra-fine graphite to increase lubricity. Ultra-fine graphite has the advantage of being totally non-reactive and will not build up in the valve. The lube sealant is inhibited to resist H_2S (<1000 ppm) and CO_2 (<40%) while providing high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

PREMIUM (P)

Premium is a 100% synthetic combination lubricant / sealant capable of handling extreme pressures and suitable for ball, plug and gate valves. DUALCO PREMIUM provides outstanding lubricity resulting in up to 50% less operating torque in close tolerance valves used in controlling the flow of hydrocarbon gases and liquids. It is brownish-yellow in color, has a temperature range of **-** 30° F to **+** 450° F and extensively inhibited for use in H_2S, CO_2 and water applications. This material is fully additive treated, which provides high metal adhesion and excellent anti-wear properties for internal valve parts. Although DUALCO PREMIUM contains excellent antioxidants, DO NOT use this material for oxygen service.

Features: DUALCO PREMIUM is made from 100% synthetic materials. It is fully additive-treated to provide high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Also inhibited to resist H_2S and CO_2 and suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

CORROSIVE SERVICE (CS)

Corrosive Service is a superior combination lubricant / sealant suitable for plug, ball and gate valves and has a temperature range of - 70° F to **+** 600° F. It is a black colored material which has been specially formulated for use in valves carrying LNG, H_2S, CO_2, methanol, strong acids, crude oil, natural gas, gasoline, jet fuel, lubricating oils or mixtures of these products. DUALCO CORROSIVE SERVICE has a proprietary premium additive package that provides anti-rust, anti-wear, and corrosion inhibitors. This material bonds to metal surfaces, minimizing wear and providing excellent corrosion protection. It has excellent resistance to oxidation; but DO NOT use this material for oxygen service.

Features: DUALCO CORROSIVE SERVICE is made from 100% synthetic materials. Fully additive-treated and fully inhibited for H_2S and CO_2 service. Water resistant, fortified with anti-rust and anti-wear additives, while bonding to metal surfaces, reducing damage from corrosion.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

EXTREME COLD (EXC)

Extreme Cold utilizes specialized materials and is required in true arctic conditions. DUALCO EXC low temperature synthetic lubricant / sealant is gray to brown in color and has a temperature range of - 70° F to + 620° F. EXC is suitable for use in gate, ball, and plug valves carrying aliphatic hydrocarbon liquids and gases, such as fuel oils, natural gas, LPG, sweet or sour crude distillates, kerosene, water, and condensate. Even though there is excellent resistance to oxidation, DO NOT use this material for oxygen service.

Features: DUALCO EXTREME COLD is made from synthetic oil with the addition of extensive corrosion inhibitors. High metal adhesion, water insoluble, washout resistant, and fully additive-treated, including inhibitors for H_2S.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

HIGH-TEMPERATURE (HT)

High-Temperature is designed for a temperature range of - 20° F to + 1000° F. Hi-Temp is made from premium synthetic oils and inorganic thickeners. This non-melting lubricant / sealant provides lubricity for valves in geothermal, petroleum refineries and natural gas plants. HT is formulated for resistance to aliphatic hydrocarbons, including gasoline, kerosene, propane, butane, natural gas, steam, hot oil, dilute acids and caustic solutions. At elevated temperatures Hi-Temp converts to a dry film lubricant providing an excellent molydisulfide and graphite combination anti-seize compound.

Features: DUALCO HIGH TEMPERATURE is made from 100% premium synthetic oils and inorganic thickeners. The temperature range is - 20° F to + 1000° F and is non-melting. At high temperature, HI-TEMP converts to a solid film lubricant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

EMERGENCY SEAL (ES)

Emergency Seal is designed for plug, ball or gate valves. Formulated to seal without the introduction of large quantities of unnecessary solids into your valve; material gets thicker as pressure is applied. It blocks and closes most severe cuts, allowing the valve to seal. ES has a temperature range of 0° F to + 400° F. This synthetic sealant is designed for use in natural gas, sweet or sour crude oil, and water services. Its high metal adhesion and capability of repeated usage in the affected valve, makes for the ideal emergency material. DO NOT use this material for oxygen services.

Features: DUALCO EMERGENCY SEAL is fully treated with additives to provide high metal adhesion (plating out) and excellent corrosion resistance. Made from 100% synthetic materials, is water insoluble, washout resistant and inhibited to resist H_2S and CO_2. Suitable for use in all hydrocarbon services.

Packaging: Available in cartridge and other bulk packaging. See Ordering Information.

EXTREME EMERGENCY SEAL (EES)

Extreme Emergency Seal is designed for plug, ball, or gate valves. Formulated to seal without the introduction of large quantities of unnecessary solids into your valve; material gets thicker as pressure is applied. It blocks and closes the more severe cuts, allowing the valve to seal in temperature extreme environments. EES has a temperature range of -55° F to +450 ° F and is suitable for use in natural gas, sweet or sour crude oil and water services. Its high metal adhesion and capability of repeated usage in the affected valve, makes the ideal emergency material when encountering severe or extreme services. DO NOT use this material for oxygen service.

Features: DUALCO EXTREME EMERGENCY SEAL is fully treated with additives to provide high metal adhesion (plating out) and excellent corrosion resistance. Made from 100% synthetic materials, is water insoluble, washout resistant and inhibited to resist H_2S and CO_2. Suitable for use in all hydrocarbon services.

Packaging: Available in cartridges and other bulk packaging. See Ordering Information.

GENERAL PURPOSE BLACK WITH TEFLON® * (GPB-TFE)

General Purpose Black with Teflon® is a combination lubricant / sealant and **Emergency Leak Stop.** As a synthetic material containing ultra-fine particles of graphite and Teflon®, it is suitable for emergency use in leaking plug, ball, and gate valves. DUALCO GPB-TFE is black in color with a temperature range of -29º F to +400º F. Most technical standards of SAE.AMS-G-6032, NATO Code #G-6032, "Grease, Plug Valve, Gasoline & Oil Resistant" are met. Along with excellent "plating out" characteristics, this material is made of stable, non-reactive materials and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GPB-TFE is 100% synthetic. It builds up at the leak point and is designed to stop the flow of leaking material, while providing extra lubricity as it seals. GPB-TFE is also inhibited for H_2S (<1000 ppm) and CO_2 (< 40%).
High metal adhesion and excellent corrosion resistance is provided. This material is water insoluble, washout resistant and suitable for use in all hydrocarbon services.

Packaging: Currently available in stick size. Contact DUALCO for other packaging options.

* TEFLON® is a registered Trademark of E.I. du Pont de Nemours and Company

PREMIUM BODY FILL LUBRICANT (PBF)

Premium Body Fill Lubricant is a multi-purpose material designed for use as a low temperature gate valve body fill and a low temperature ball valve lubricant. This material is an excellent choice where water resistance and a light valve lubricant is needed. The temperature range is -75° F to +350° F. DUALCO PREMIUM BODY FILL LUBRICANT is suitable for use with hydrocarbon gases. PBF provides low torque operation even in low temperature applications. Not to be used as sealant and NOT for oxygen service.

Features: DUALCO PREMIUM BODY FILL LUBRICANT is blended with a corrosion inhibitor and an anti-galling additive. It protects seat rings and sealing services from the corrosive effects of oil and gas production and processing. Water soluble and washout resistant, this is a premium quality lithium 12-hydroxy stearate grease.

Packaging: Available in cartridges and Industry standard packaging in all bulk containers. See Ordering Information.

"PEANUT BUTTER" (PB)

Peanut Butter is a brown colored, bulk viscosity material used to body fill and seal WKM type gate valves. This material has a temperature range of **-** 30° F to **+** 250° F. PB is extremely resistant to washout by water, gas, condensate, butane, hydrocarbon vapors, petroleum products such as gasoline, solvents, glycerin and sour gas.

Features: DUALCO PEANUT BUTTER is a basic, inexpensive, **Non-Abrasive** material. Suitable for use with most hydrocarbon pipeline transmitted materials.

Packaging: Industry standard packaging in all bulk containers. See Ordering Information

CLEANERS The importance of using DUALCO VALVE CLEANERS

- When valves are not working properly, a primary solution is to clean the valve internally so new Valve Lube Sealant can be injected into the valve.
  Improperly working valves can be defined as those that are hard to turn, have valve seats that are leaking; or have valve fittings which have become inoperable.
- All DUALCO VALVE CLEANERS are easily pumped with DUALCO equipment.
- DUALCO cleaners are compatible with all Lubricants, Sealants, and Packing.
- DUALCO cleaners can be used in most hydrocarbon applications, with the exception of oxygen service.
- DUALCO VALVE CLEANERS can be used in Lubricated Plug, Gate, Ball valves, and other equipment located in:

1. All hydrocarbon pipeline service systems.
    a. Gathering
    b. Midstream
    c. Transmission
    d. Distribution
    e. Mills, Plants and Refineries
2. Pipeline Pump Stations
3. Pipeline Compressor Stations
4. Oil and Gas Wellheads

- Because DUALCO VALVE CLEANERS are 100% synthetic, they are much less subject to thickening or freezing when used in low temperature environments.
- NON-HAZARDOUS, NON-TOXIC, constant viscosity materials are used in the manufacture of all DUALCO VALVE CLEANERS.
- There are no harmful corrosive or acidic solutions found within DUALCO VALVE CLEANERS.

For more information, refer to DUALCO's Valve Maintenance Training guidelines.

VALVE CLEANER (VC)

Valve Cleaner is a gold colored, basic hydrating and softening material made from non-petroleum oils. It has a temperature range of - 20° F to + 350° F. This semi-liquid is used to penetrate, lift, and clean out materials such as old, hardened lubricants, sealants, dust, rust and other trash that has built up in the lubricant grooves and ports in all types of lubricated valves.

Features: DUALCO VALVE CLEANER is water insoluble. Necessary for complete and rapid removal of built-up materials that interfere with valve operation. Standard trash removable from valve operation is facilitated when using VC.

Packaging: Industry standard packaging in quart bottles and most sizes of bulk containers. See Ordering Information.

HEAVY DUTY VALVE CLEANER (HDVC)

Heavy Duty Valve Cleaner is black in color and has a temperature range of -40° F to + 400° F. In older pipelines and valves, there is often residual gum, lacquer, rust and corrosion deposits, as well as hardened sealants that are very resistant to standard valve cleaners. DUALCO HEAVY DUTY VALVE CLEANER is carefully engineered to clean out and free-up lubricated valves that are frozen or extremely difficult to operate because of excessive build-up of trash or hardened lube sealants.

Features: DUALCO HEAVY DUTY VALVE CLEANER is water insoluble. It has extra strong cleaning agents and a combination of valve cleaner and penetrating lubricants. HDVC cuts, lifts and dissolves corrosion build-up and facilitates heavy trash removal from the valve.

Packaging: Industry standard packaging in cartridges and all sizes of bulk containers. See Ordering Information.

DISPERSING VALVE CLEANER (DVC)

Dispersing Valve Cleaner works well in all valves. It removes deposits in valves that are very resistant to standard and even heavy duty valve cleaners. DUALCO DVC absorbs freed trash and water, then breaks down and disperses in the product stream. The material is a semi-liquid, green in color, and has a temperature range of -20 ° F to +400° F.

Features: DUALCO DISPERSING VALVE CLEANER is very unique; it will not foul instrumentation or down-stream equipment. This radically new material "drys" the inside of the valve, once the freed material is removed from the valve.

Packaging. Industry standard packaging in quart bottles and most sizes of bulk containers. See Ordering Information.

ARCTIC VALVE CLEANER / LUBRICANT (AVC)

Arctic Valve Cleaner / Lubricant is off-white in color and made from a unique blend of synthetic oils. With a temperature range of -65º F to +250º F, this material is very effective and pumps easily in extremely low temperature environments. AVC will penetrate, lift and clean out materials such as old, hardened lubricants, sealants, dust, rust and other trash that has built up in the lubricant grooves and parts in all types of lubricated valves. DUALCO ARCTIC VALVE CLEANER / LUBRICANT is inhibited for H_2S, and acts as a lubricant and moisture displacer. AVC is not recommended for long term service of CO_2. DO NOT use this material for oxygen service.

Features: DUALCO ARCTIC VALVE CLEANER / LUBRICANT is water insoluble. This unique material contains no harmful solvents and valve elastomers are not harmed. AVC has proprietary additives, such as a dispersant, emulsifier, surfactant, corrosion inhibitor and extreme pressure lubricant.

Packaging: Industry standard packaging in cartridges and all sizes of bulk containers. See Ordering Information.

STEM PACKING (SP)

Stem Packing is a pumpable packing made from synthetic oils and propriety non-reactive fillers. SP is to be used in valves with packing injection fittings. The temperature range is 0˚ F to +240˚ F. SP contains necessary fine to medium size TFE fillers. DUALCO STEM PACKING has high chemical and mechanical stability and good lubricity.

Features: DUALCO STEM PACKING is water insoluble. Extreme Pressure (EP) additives, oxidation, and corrosion inhibiters are included. With a broad range of additives, it performs well in most Valve Stem Packing applications.

Packaging: Industry standard packaging in all stick sizes. Bulk packaging is also available. See Ordering Information.

ARCTIC STEM PACKING (ASP)

Arctic Stem Packing is a pumpable packing made from synthetic oils and extra fine proprietary, non-reactive synthetic fillers. Available in small stick sizes, it is used in valves with packing injection fittings. When larger stick sizes are needed, DUALCO Hydraulic or Screw Prime Guns will be used. The temperatures range is -65˚ F to +350˚ F and is required in true arctic conditions.

Features: DUALCO ARCTIC STEM PACKING is water insoluble. Extreme Pressure (EP) additives, oxidation, and corrosion inhibiters are included. This material is highly classified, and excellent for extreme cold weather applications.

Packaging: Industry standard packaging in all stick sizes. Bulk packaging is also available. See Ordering Information.

GATE VALVE STEM LUBRICANT (GVSL)

Gate Valve Stem Lubricant is a blue colored plastic, bulk viscosity material required for Gate Valve Stems under severe operating conditions. DUALCO GVSL is a lithium complex, Extreme Pressure (EP) lubricant with excellent high and low temperature properties. Providing superior stem and bearing protection, this material maintains exceptional performance characteristics at lower temperatures. Excellent resistance to oxidation at elevated temperatures, is provided.

Features: DUALCO GVSL is made from synthetic materials, and is "O" Ring Seal compatible. Extreme Pressure (EP) additives, oxidation, corrosion inhibiters and anti-wear additives are included. Unique blend of petroleum base and synthetic oils.

Packaging: Industry standard packaging in all bulk containers.

SPECIAL FORMULATIONS

DUALCO will custom blend special formulations that are not shown. Products can be manufactured to suit specific customer requirements.

WARNING

Please observe these safety precautions when using DUALCO products.

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- Read Material Safety Data Sheet (MSDS) before use and follow all safety specifications and precautions.
- DUALCO Valve Lubricants, Sealants, Cleaners and Packing are for industrial use only and are not for home use.
- Do not use Valve Cleaners as a Lubricant, Sealant or Packing.
- Keep out of reach of children.
- We do not consider these products, in the form they are sold, to constitute a physical or health hazard.
- Avoid contact with eyes, skin, and clothing.
- Wash hands thoroughly after handling. Not for internal human consumption.
- Follow standard Operating Procedures.
- Safety glasses should be worn and safety precautions should be observed.
- These products ARE NOT to be used for Oxygen service.

ORDERING INFORMATION

Valve lubricants, sealants, cleaners and packing are available in appropriate industry standard stick, bulk and cartridge packaging. Inquire regarding 55 gallon drum sizes.

PRODUCT SELECTION Order by product name and packaging by selecting from the options listed below:

General Purpose GP-A, GP-B, GP-C, GP-D, GP-E, GP-G, GP-J, GP-K, GP-S5, GP-CTG, GP-10, GP-20, GP-40, GP-120

General Purpose Black GPB-A, GPB-B, GPB-C, GPB-D, GPB-E, GPB-G, GPB-J, GPG-K, GPB-S5, GPB-CTG, GPB-10, PG-20, GPB-40, GPB-120

Premium P-A, P-B, P-C, P-D, P-E, P-G, P-J, P-K, P-CTG, P-10, P-20, P-40, P-120

Corrosive Service CS-A, CS-B, CS-C, CS-D, CS-E, CS-G, CS-J, CS-K, CS-S5, CS-CTG, CS-10, CS-20, CS-40, CS-120

Extreme Cold EXC-A, EXC-B, EXC-C, EXC-D, EXC-E, EXC-G, EXC-J, EXC-K, EXC-CTG, EXC-10, EXC-20, EXC-40, EXC-120

High Temperature HT-A, HT-B, HT-C, HT-D, HT-E, HT-G, HT-J, HT-K, HT-S5, HT-CTG, HT-10, HT-20, HT-40, HT-120

Emergency Seal ES-A, ES-B, ES-C, ES-D, ES-E, ES-G, ES-J, ES-K, ES-S5, ES-CTG, ES-10, ES-20, ES-40, ES-120

Premium Body Fill Lubricant PBF-CTG, PBF-10, PBF-20, PBF-40, PBF-120

Extreme Emergency Seal EES-CTG, EES-10, EES-20, EES-40, EES-120

General Purpose Black with Teflon® GPB-TFE-A, GPB-TFE-B. GPB-TFE-C, GPB-TFE-D, GPB-TFE-E, GPB-TFE-G, GPB-TFE-J, GPB-TFE-K, GPB-TFE-S5

"Peanut Butter" PB-10, PB-20, PB-50, PB-150

Valve Cleaner VC-Qt, VC-10, VC-20, VC-40, VC-120

Heavy Duty Valve Cleaner HDVC-CTG, HDVC-10, HDVC-20, HDVC-40, HDVC-120

Dispersing Valve Cleaner DVC-Qt, DVC-10, DVC-20, DVC-40, DVC-120

Arctic Valve Cleaner / Lubricant AVC-CTG, AVC-10, AVC-20, AVC-40, AVC-120

Stem Packing SP-A, SP-B, SP-C, SP-D, SP-E, SP-G, SP-J, SP-K

Arctic Stem Packing ASP-A, ASP-B, ASP-C, ASP-D, ASP-E, ASP-G, ASP-J, ASP-K

Gate Valve Stem Lubricant GVSL-CTG, GVSL-10, GVSL-20, GVSL-40, GVSL-120

Stick Lubricant / Sealant Packaging Options

Package Type	Stick Size Diameter		Stick Size Length		Sticks Per	Net Weight	
	Inches	mm	Inches	mm	Container	Lbs.	Kilos
A	1/4	6.35	1-1/2	38.1	48	--	--
B	3/8	9.53	1-1/2	38.1	24	--	--
C	7/16	11.11	2-1/8	53.98	24	--	--
D	1/2	12.7	2-5/8	66.68	24	--	--
E	3/4	19	3-3/8	85	24	--	--
G	5/8	15.88	3-1/2	88.9	24	--	--
J	1-3/8	34.93	8-1/2	215.9	16	8	3.63
K	1-1/2	38.1	10-1/2	266.7	12	8	3.63
S5	4	101.6	10	25.4	4	20	9.08

Other sizes available upon request

Bulk Lubricant / Sealant Packaging Options

Package Type	Container Size
CTG	10 ea. 14 oz. Cartridges, 8.75 lb. Box
10	5 Quart, 10 lb. Can
20	3-1/2 Gallon, 20 lb. Pail
40	5 Gallon, 40 lb. Pail
120-150	16 Gallon, 120 lb. – 150 lb. Drum
400-500	55 Gallon, 400-500 lb. Drum

Other sizes available upon request

DUALCO LUBRICANT / SEALANT APPLICATION CHART

Acetylene Gas GP, GPB, P, CS, GPB-TFE, EES, GVSL
Acids
- **Dilute** GP, GPB, P, CS, GPB-TFE, EES, GVSL
- **Concentrated** CS

Air GP, GPB, P, GPB-TFE, EES, GVSL
Alcohols GP, GPB, P, GPB,-TFE, EES, GVSL
Ammonia GP, GPB, P, GPB-TFE, EES, GVSL
Asphalt GP, GPB, P, GPB-TFE, EES, GVSL
Black Liquor (Paper) GP, GPB, P, CS, GPB-TFE, EES, GVSL
Boiler Water GP, GPB, P, CS, GPB-TFE, EES, GVSL
Bunker Oils (Fuel Oils) GP, GPB, P, CS, GPB-TFE, EES, GVSL
Butane GP, GPB, P, CS, GPB-TFE, EES, GVSL
Carbon Dioxide (CO_2)
- **Dilute<40%** GP, GPB, P, CS, GPB-TFE,EES, GVSL
- **Concentrated >40%** CS

Carbon Monoxide (CO) GP, P, CS, GPB-TFE, EES, GVSL
Castor Oil On Request
Coal Gas GP, GPB, P, CS, GPB-TFE, EES, GVSL
Coal Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Crude Oil Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Crude Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL
Diesel Fuel GP, P, CS, GPB-TFE, EES,GVSL
Distillate Fuel GP, P, CS, GPB-TFE, EES,GVSL
Ethane GP, P, CS, GPB-TFE, EES,GVSL
Ethylene GP, P, CS, GPB-TFE, EES,GVSL
Fuel Oil GP, P, CS, GPB-TFE, EES,GVSL
Gas Dryers GP, P, CS, GPB-TFE, EES,GVSL
Gas, Natural GP, P, CS, GPB-TFE, EES,GVSL
Gasoline GP, P, CS, GPB-TFE, EES,GVSL
Gate Valve Body Fill PB, PBF
Glycols GP, P, CS, GPB-TFE, EES,GVSL
Helium GP, P, CS, GPB-TFE, EES,GVSL
Hot Oil GP, P, CS, GPB-TFE, EES,GVSL
Hot Water GP, P, CS, GPB-TFE, EES,GVSL
Hydrogen GP, P, CS, GPB-TFE, EES,GVSL
Hydrogen Sulfide (H_2S)
- **Dilute <500 ppm** GP, GPB, P, CS, GPB-TFE, EES, GVSL
- **Concentrated >500 ppm** CS

Isobutane GP, GPB, P, CS, GPB-TFE, EES, GVSL
Jet Fuel GP, GPB, P, CS, GPB-TFE, EES, GVSL
Kerosene GP, GPB, P, CS, GPB-TFE, EES, GVSL
Ketones GP, GPB, P, CS, GPB-TFE, EES, GVSL
Light Oil, Coal Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Liquefied Petroleum Gas
- **(LPG)** GP, GPB, P, CS, BB-TFE, EES, GVSL

Lubricating Oils GP, GPB, P, CS, GPB-TFE, EES, GVSL
Methane GP, GPB, P, CS, GPB-TFE, EES, GVSL
Mineral Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL
Mud Lines GP, GPB, P, CS, GPB-TFE, EES, GVSL
Natural Gas
- **(Dry or Wet)** GP, GPB, P, CS, GPB-TFE, EES, GVSL

Nitrogen GP, GPB, P, CS, GPB-TFE, EES, GVSL
Oil, Petroleum GP, GPB, P, CS
Oil, Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Paint Thinner GP, GPB, P, CS, GPB-TFE, EES, GVSL
Paraffin GP, GPB, P, CS, GPB-TFE, EES, GVSL
Petroleum Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL
Propane GP, GPB, P, CS, GPB-TFE, EES, GVSL
Road Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Roofing Pitch GP, GPB, P, CS, GPB-TFE, EES, GVSL
Salt Solution GP, GPB, P, CS, GPB-TFE, EES, GVSL
Sea Water GP, GPB, P, CS, GPB-TFE, EES, GVSL
Sewage GP, GPB, P, CS, GPB-TFE, EES, GVSL
Soluble Oils GP, GPB, P, CS, GPB-TFE, EES, GVSL
Steam GP, GPB, P, CS, GPB-TFE, EES, GVSL
Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL
Turpentine GP, GPB, P, CS, GPB-TFE, EES, GVSL
Vacuum Lines GP, GPB, P, CS, GPB-TFE, EES, GVSL
Vegetable Oils GP, GPB, P, GPB-TFE, EES, GVSL
White Liquor (paper) GP, GPB, P, CS, GPB-TFE, EES, GVSL
Water GP, GPB, P, CS, GPB-TFE, EES, GVSL
Xylene GP, GPB, P, CS, GPB-TFE, EES, GVSL
Zinc Salts GP, GPB, P, CS, GPB-TFE, EES, GVSL

These applications are only recommendations for common materials. Contact DUALCO for additional applications.

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The recommendations on this chart are presented as a guide only. Applications can change due to valve conditions, temperature variations, pipeline pressures and other variables.

There are numerous applications for materials and conditions that are not listed.
Contact DUALCO at 713-644-1164 for recommendations on these applications.

All lubricants, sealants and cleaners are manufactured to DUALCO's exacting QA/QC standards and pass a continuing QA/QC assurance program.

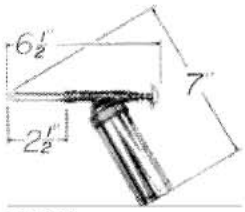
- **Many meet and exceed MIL-G-6032D "Grease, Plug Valve, Gasoline and Oil Resistant, NATO Code Number G-363, Metric."**
- **Current Specification: SAE-AMS-G-6032 "Grease, Plug Valve, Gasoline and Oil Resistant, NATO Code Number G-363, Metric."**
- **Products are environmentally friendly, biodegradeable, and will not harm the environment.**
- **ALL PRODUCTS ARE MADE IN U.S.A., and are manufactured utilizing the most premium materials and up-to-date methods available.**
- **Specification Sheets are available upon request.**

(AMS = Aerospace Material Standards)

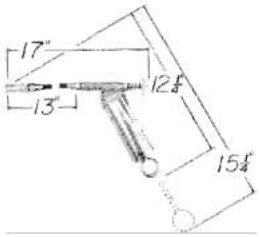
SPECIFICATIONS ARE SUBJECT TO CHANGE

PUSH TYPE UTILITY GREASE GUNS

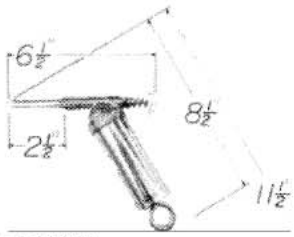
3 or 5 OUNCE LUBRICANT CAPACITY - 3,000 psi



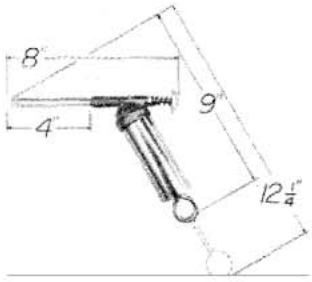
Model 5911
(Vacuum Primed)



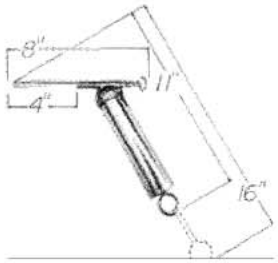
Model 5914
(Spring Primed)



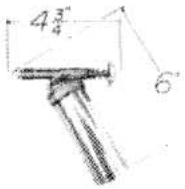
Model 5947
(Spring Primed)



Model 5948
(Spring Primed)



Model 5958
(Spring Primed)



Model 700231
(Vacuum Primed)

AVAILABLE IN THESE AND OTHER MODELS TO SATISFY GENERAL LUBRICATION REQUIREMENTS. THESE GUNS ARE IDEAL FOR WORKING IN CONFINED AREAS WHERE LEVER GUNS ARE INCONVENIENT AND CANNOT BE USED. PALM AND FINGER-GRIP DESIGN ALLOW EASY OPERATION WITH ONE HAND. ALL MODELS HANDLE MULTIVISCOUS GRADES OF LUBRICANTS AND ARE HIGHLY RECOMMENDED FOR SPECIALTY PURPOSE LUBRICANTS IN BULK.

FEATURES

- LIGHTWEIGHT, ONE-HAND OPERATION
- MULTI-PURPOSE APPLICATION
- POSITIVE PERFORMANCE
- DURABLE, ALL METAL CONSTRUCTION
- COMPACT, EASILY STORED
- QUICK SERVICE AND CLEANING
- GROUND PLUNGER, BALL CHECK
- EASILY REFILLED
- PINPOINT ACCURACY

POPULAR USES INCLUDE MANUFACTURERS AND USERS OF:

CHAIN SAWS
AIR TOOLS
TRACTORS
GARDEN EQUIPMENT LAWN MOWERS APPLIANCES
SWEEPERS, INDUSTRIAL & HOUSEHOLD INDUSTRIAL
MACHINERY
BEARING SERVICES
POWER TOOLS
OFFICE EQUIPMENT
MARINE ENGINES
FISHING REELS
GOLF CARTS
BIKES, MOTOR & PEDAL
DOOR HINGES
TRANSPORTATION VEHICLES & EQUIPMENT
AIRCRAFT

MODEL	PRIMING STYLE	LUBRICANT CAPACITY	NOZZLE EXTENSION	PUMP HEAD LENGTH	NET WEIGHT
5911	VACUUM PRIMED	3 OZ.	10530-2-1/2" Long For Standard Hydraulic Type Grease Fittings	6-1/2"	10 OZ.
5914	SPRING PRIMED	3 OZ.	10549 Hose With 10548 Coupler	17" Including Flexible Hose	15 OZ.
5947	SPRING PRIMED	3 OZ.	10530-2-1/2" Long For Standard Hydraulic Type Grease Fittings	6-1/2"	12 OZ.
5948	SPRING PRIMED	3 OZ.	10535-4" Long For Standard Hydraulic Type Grease Fittings	8"	13 OZ.
5958	SPRING PRIMED	5 OZ.	10535-4" Long For Standard Hydraulic Type Grease Fittings	8"	16 OZ.
700231	VACUUM PRIMED	3 OZ.	10503 Hardened Tip For Flush Type Fittings	4-3/4"	9 OZ.

SPECIFICATIONS: GUN HEAD OUTLET *1/8"* NPT(f) • DELIVERY 1 *oz./150* STROKES. ZINC PLATED • BARREL DIAMETER, *1-1/2"*
ALL MODELS ARE EASILY SERVICEABLE AND PARTS ARE AVAILABLE
OTHER NOZZLES AND NOZZLE EXTENSIONS ARE AVAILABLE

CUSTOM DESIGN PRODUCTS AVAILABLE TO SUIT SPECIFIC REQUIREMENTS

DUALCO
8404 BRANIFF, HOUSTON, TEXAS 77061 * 713-644-1164 * FAX 713-644-7761
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SQUEEZE TUBE GREASE GUNS

Model 10340

Model 10350

Model 10355

Model 10360

Model 10375

Model 10385

AVAILABLE IN THESE AND OTHER MODELS TO SATISFY GENERAL LUBRICATION REQUIREMENTS. THESE GUNS ARE TO BE USED WITH SQUEEZE TUBE CONTAINERS. FOR EASY DISPENSING OF GREASE, SIMPLY SQUEEZE THE GREASE TUBE AND WITH THE HAND PUSH THE PLUNGER. ALL MODELS HANDLE MULTIVISCOUS GRADES OF LUBRICANTS AND ARE HIGHLY RECOMMENDED FOR SPECIALTY PURPOSE LUBRICANTS IN BULK.

POPULAR
USES INCLUDE
MANUFACTURERS AND USERS OF:

- CHAIN SAWS
- AIR TOOLS
- TRACTORS
- GARDEN EQUIPMENT
- LAWN MOWERS
- APPLIANCES
- SWEEPERS, INDUSTRIAL & HOUSEHOLD
- INDUSTRIAL MACHINERY
- BEARING SERVICES
- POWER TOOLS
- OFFICE EQUIPMENT
- MARINE ENGINES
- FISHING REELS
- GOLF CARTS
- BIKES, MOTOR & PEDAL
- DOOR HINGES
- TRANSPORTATION VEHICLES & EQUIPMENT
- AIRCRAFT

FEATURES

- **LIGHTWEIGHT, SELF ACTIVATED PRIMING**
- **MULTI-PURPOSE APPLICATION**
- **POSITIVE PERFORMANCE, EASY OPERATION**
- **DURABLE, ALL METAL CONSTRUCTION**
- **COMPACT, EASILY STORED**
- **QUICK SERVICE AND CLEANING**
- **EASILY REFILLED**
- **PINPOINT ACCURACY**
- **GROUND PLUNGER, BALL CHECK**

MODEL	NOZZLE EXTENSION	PUMP HEAD LENGTH	NET WEIGHT
10340	10530 - 2-1/2" Long For Standard Hydraulic Type Grease Fittings	6-1/2"	4 OZ.
10350	10503 - Hardened Tip For All Flush Type Grease Fittings	4-5/8"	3 OZ.
10355	10546 - 2-1/4" Long For All Flush Type or Hard to Reach Hydraulic Type Grease Fittings	6"	3-1/4 OZ.
10360	10547 - 4-1/2" Long For All Flush Type or Hard to Reach Hydraulic Type Grease Fittings	8-1/4"	3-1/2 OZ.
10375	10586 - 2-3/8" Long, Replaceable Hardened Tip For All Flush and Hydraulic Type Grease Fittings	6-1/4"	3-3/4 OZ.
10385	10583 - 4-3/8" Long, Replaceable Hardened Tip For All Flush and Hydraulic Type Grease Fittings	8-1/4"	4-1/2 OZ.

SPECIFICATIONS: GUN HEAD OUTLET 1/8' NPT(f) • INLET 9/16"- 18NF(f) • NOZZLE EXTENSION OUTLET FOR MODEI 10340 3/32' DIAMETER, 1/32" DIAMETER FOR OTHER MODELS. ZINC PLATED. 3,000 PSI. VARIABLE LUBRICANT CAPACITY.

ALL MODELS ARE EASILY SERVICEABLE AND PARTS ARE AVAILABLE. OTHER NOZZLES AND NOZZLE EXTENSIONS ARE AVAILABLE.

CUSTOM DESIGN PRODUCTS AVAILABLE* TO SUIT *SPECIFIC REQUIREMENTS

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GREASE GUN ACCESSORIES

10503- NEEDLE NOZZLE
13/16" overall length. Use with all flush type fittings. For use with all Push Type Utility Grease Guns, or may be adapted for use with lever operated grease guns. Inlet *118"* NPT(m) outlet *1/32"* diameter.

10546- NEEDLE NOZZLE
2-114" overall length. For use with all flush type fittings or hard to reach hydraulic type fittings. Inlet *1/8"* NPT(m) outlet *1/32"* diameter.

10547- NEEDLE NOZZLE
4-1/2" overall length. For use with all flush type fittings or hard to reach hydraulic type fittings. Inlet *1/8"* NPT(m) outlet *1/32"* diameter.

10539- STUB NOSE NOZZLE
2-1/4" overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

10541- STUB NOSE NOZZLE *3-1/2"* overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

10543- STUB NOSE NOZZLE
4-1/2" overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

10540- RUBBER TIPPED NOZZLE
2-1/2" overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

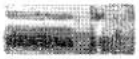
10542- RUBBER TIPPED NOZZLE
3-314" overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

10544- RUBBER TIPPED NOZZLE
4-3/4" overall length. Inlet *1/8"* NPT(m) outlet *1/16"* diameter.

10530- NOZZLE EXTENSION ASSEMBLY
2-5/8" overall length. For use with standard hydraulic type fittings. Inlet *1/8"* NPT(m) outlet *3/32"* diameter.

10535- NOZZLE EXTENSION ASSEMBLY
4-1/4" overall length. For use with standard hydraulic type fittings. Inlet *1/8"* NPT(m) outlet *3/32"* diameter.

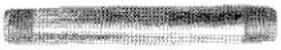
10539- STUB NOSE NOZZLE
5/8" overall length. For use with Rubber Tipped Nozzles andlor stub Nose Nozzles. Inlet *5/32"* diameter, outlet *1/16"* diameter.



10548- HYDRAULIC COUPLER
1-7/16" overall length. Three jaw with built-in ball check. Inlet *1/8"* NPT(f) 5,000 psi rated.

10552- PIPE COUPLING
with hex. *1/8"* NPT(f) both ends.

10551- PIPE NIPPLE
with hex. *1/8"* NPT(m) both ends.



10553- PIPE NIPPLE
3" overall length. *1/8"* NPT(m) both ends.

10549- HOSE ASSEMBLY
12" overall length. Flexible so as to reach out of the way fittings. 2,500 psi working pressure, 10,000 psi burst. *1/8"* NPT(m) both ends. FOR USE WITH PUSH TYPE UTILITY GREASE GUNS ONLY.

THESE ACCESSORIES MAY BE USED WITH PUSH TYPE UTILITY GREASE GUN OR MAY BE USED FOR OTHER APPLICATIONS.

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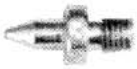
GREASE GUN ACCESSORIES



10581- NEEDLE NOZZLE
13/16" overall length. For use with all flush type fittings and as a replacement tipon 10583, 10586. Inlet 1/4"-28 NF(m) x 1/32" diameter outlet.

10576- STUB NOSE NOZZLE
1-11/32" overall length. Inlet 1/8" NPT(f) x 3/32" diameter outlet.

10569- NEEDLE NOZZLE
1" overall length. For use with all flush type fittings. Inlet 1/8" NPT(f) x 1/32" diameter outlet.

10587- RUBBER TIPPED NOZZLE 1-7/16" overall length. Inlet 1/8" NPT(f) x 1/16" diameter outlet.

10574- NOZZLE ADAPTER
27/32" overall length. For use with all flush type fittings. Inlet hydraulic coupler snap-on x 1/32" diameter outlet.

10588- NEEDLE/COUPLER NOZZLE 2-1/16" overall length. Inlet 1/8" NPT(f) (hydraulic coupler) x detachable nozzle adapter (10574) outlet.

10586- NOZZLE EXTENSION ASSEMBLY 2-1/2" overall length. For use with all flush type fittings and hard to reach hydraulic type fittings. Inlet 1/8" NPT(m) x 1/32" diameter outlet.

10583- NOZZLE EXTENSION ASSEMBLY 4-1/2" overall length. For use with all flush type fittings and hard to reach hydraulic type fittings. Inlet 1/8" NPT(m) x 1/32" diameter outlet.

ADJUSTABLE NOZZLE
10570 - overall length 6"
10575 - overall length 12"
For use with all flush type fittings, aircraft and hard to reach fittings. Inlet 1/8" NPT(m) x 1/32" diameter, 45° tip outlet.

ADJUSTABLE NOZZLE
10560 - overall length 6"
10565 - overall length 12"
For use with all flush type fittings, aircraft and hard to reach fittings. Inlet 1/8" NPT(m) x 1/32" diameter, 90° tip outlet.

10555 - NEEDLE NOZZLE
12" overall length. For use with all flush type fittings, aircraft and hard to reach fittings. Inlet 1/8" NPT(m) x 1/32" diameter outlet.

THESE ACCESSORIES MAY BE USED WITH PUSH TYPE UTILITY AND SQUEEZE TUBE GREASE GUNS OR MAY BE USED FOR OTHER APPLICATIONS.

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