



*Model 740*



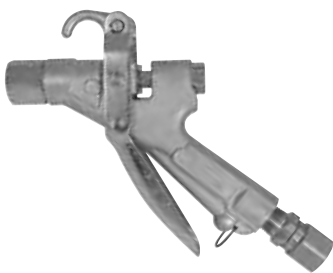
*Model 282930*



*Model 3867*



*Model 776*



*Model 82906*



*Model 877*



*Model 905*



*Model 962*



*Model 982*

# Control valves, meters and accessories

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## Control valves – grease

Model 740



Lincoln control valves, meters and accessories provide the durability and precision you need for your lubrication systems.

### Model 740 heavy-duty high-pressure

- 7 500 psi (517 bar) maximum operating pressure
- Precision-machined, all steel handle, body and guard bracket provides durability and longevity
- Unique, precision control inlet check valve provides ease of handle operation even with increase in pressure
- Knurled handle for positive grip
- Handy trigger guard prevents pinching
- Reversible inlet check seat and hydraulic jaws provide double life
- Balanced design reduces user fatigue
- Lubricant inlet 1/4 in. NPT (f); outlet 1/8 in. NPT (f)
- Easily repaired for extended life

### Model 3050 high-volume high-pressure

Same as 740 except with 3/8 in. NPT (f) lubricant inlet for use with Lincoln volume high-pressure swivels and hose.

### Model 82157 repair parts kit

For control valves models 740 and 3050.



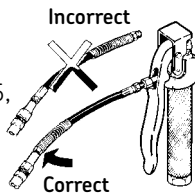
### High-pressure grease control valves

Model	Description	Control valve	Thread size	Extension	Coupler
–	–	–	in.	–	–
740	Heavy-duty, high-pressure	82393	1/4 NPT (f)	Rigid tube	5845
3050	High-volume, high-pressure	81495	3/8 NPT (f)	Rigid tube	5845

### WARNING!

Whip Hoses Models 3029, 3034, 5812, 5818, 5861, 81725, 81726, 81795

Install as shown.



### Model 85021 kit

Consists of model 740 control valve and model 81387 universal “z” swivel.

### Model 82158 repair kit

Repair parts kit for model 81387 standard universal swivel.

### WARNING!

For safe and proper use, always consult instructions accompanying product. See Safety Warning Information for appropriate warnings.

High-pressure swivels

Model	Description	Thread size
–	–	in.
<b>81606*</b>	Straight	1/8 NPT (f) x 1/8 NPT (m)
<b>81703*</b>	Straight	1/8 NPT (m) x 1/8 NPT (m)
<b>82080</b>	Straight	1/2 – 27 (m) x 1/2 – 27 (m)
<b>82399</b>	Straight	1/2 – 27 (m) x 1/4 NPT (m)
<b>83938</b>	Straight	1/4 NPT (m) x 1/4 NPT (m)
<b>81386</b>	90° angle	1/2 – 27 (m) x 1/8 NPT (m)
<b>81723</b>	90° angle	1/8 NPT (m) x 1/8 NPT (f)
<b>81974</b>	90° angle	1/2 – 27 (m) x 1/4 NPT (m)
<b>82251</b>	90° angle	1/8 NPT (m) x 1/8 NPT (m)
<b>81387</b>	Universal	1/2 – 27 (m) x 1/4 NPT (m)
<b>82252</b>	Universal	1/8 NPT (m) x 1/8 NPT (m)
<b>83594</b>	Universal	1/4 NPT (m) x 1/4 NPT (m)

\* Whip hose only; maximum pressure 4 500 psi (310 bar)

Volume high-pressure swivels

Model	Description	Thread size
–	–	in.
<b>81728</b>	Straight	1/2 NPT (m) x 3/8 NPT (m)
<b>82072</b>	Straight	1/2 NPT (m) x 1/2 NPT (m)
<b>82087</b>	90° angle	1/2 NPT (m) x 1/2 NPT (m)
<b>81729</b>	Universal	1/2 NPT (m) x 3/8 NPT (m)
<b>82073</b>	Universal	1/2 NPT (m) x 1/2 NPT (m)

Model 82399



Model 81974



Model 81387



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**WARNING!**

Material use: Lincoln swivels are to be used only to transport grease, oil and other lubricants and are designed only for these non-abrasive and noncorrosive purposes. Do not use with abrasive and corrosive materials such as sound-deadening materials which may contain limestone and mica particles. Transport of such materials causes rapid premature wear to critical swivel components and can cause failure of swivel. Failure could expose the user to se-

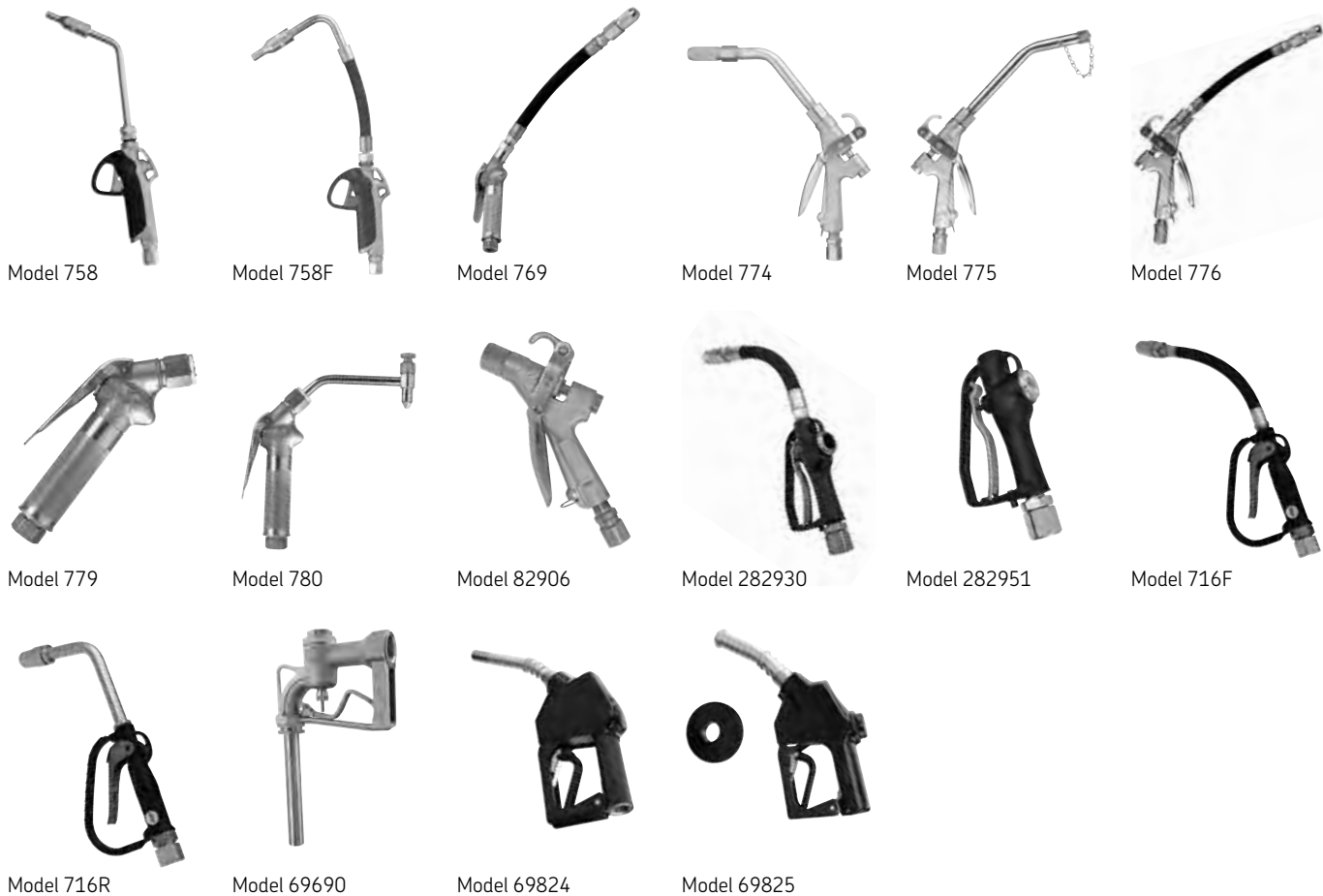
vere bodily injury, permanent disfigurement or death.

Installation and service: Tighten all fluid connections securely before using swivel. Never exceed 7500 psi maximum operating pressure. Never alter or modify any part of the swivel. Never attempt to repair or disassemble the swivel while the system is pressurized. Never stop or deflect leaks with hand or body.

Medical attention: get medical attention immediately if exposed to high pressure

fluids. Tell the attending physician what was injected.

Control valves, meters and accessories – fluid lubricants



Non-metered control valves – fluid lubricants

Compatible fluids – engine oil, diesel oil, ATF and anti-freeze  
 Models 69690, 69824 and 69825 compatible fluids – fuel

Model	Inlet NPT (f)	Outlet NPT (f)	Extension Model	Type	Tip	Maximum pressure		Free delivery	
						psi	bar	gal./min.	liter/min.
–	in.	in.	–	–	–	psi	bar	gal./min.	liter/min.
<b>758</b>	1/2	1/2	260381	Rigid pipe	Auto with manual open/close	1 000	69	7.5	28
<b>758F</b>	1/2	1/2	260380	Flex hose	Auto with manual open/close	1 000	69	7.5	28
<b>769</b>	1/2	1/2	82642	Flex hose	Manual	1 000	69	5	19
<b>774</b>	1/2	1/2	273508	Rigid pipe	Manual	1 000	69	5	19
<b>775</b>	1/2	1/2	82932	Rigid pipe	Cap	1 000	69	5	19
<b>776</b>	1/2	1/2	82642	Flex hose	Manual	1 000	69	5	19
<b>779</b>	1/2	1/2	–	–	–	1 000	69	5	19
<b>780</b>	1/2	1/2	82070	Rigid pipe	Manual	1 000	69	5	19
<b>82906</b>	1/2	1/2	–	–	–	1 000	69	5	19
<b>282930</b>	3/4	3/4	–	Flex hose	Manual	1 500	103	15	57
<b>282951</b>	3/4	3/4	–	–	–	1 500	103	15	57
<b>716F</b>	3/4	1/2	276281	Flex hose	Auto with manual close	1 500	103	12	45
<b>716R</b>	3/4	1/2	276283	Rigid pipe	Auto with manual close	1 500	103	12	45
<b>69690</b>	1 1/4	1 3/4	–	9 in. Rigid pipe	–	50	3,4	–	–
<b>69824</b>	3/4	–	–	1 3/16 in. O.D. rigid	SST tip	50	3,4	17	64
<b>69825</b>	1	–	–	1 3/16 x 7 in. rigid	–	50	3,4	60	227

Control valves, meters and accessories – dispense meters



Model 905



Model 905SF

**Preset dispense meters – digital**

Compatible fluids, model 905 – petroleum and synthetic-based oils and antifreeze

Compatible fluids, model 905SF – antifreeze mixture, windshield wiper solution and brake fluid

Graduation on all models – pints, quarts, liters, gallons

Model	Inlet NPT (f)	Outlet NPT (f)	Extension Model	Type	Tip	Maximum pressure		Free delivery	
						psi	bar	gal./min.	liter/min.
–	in.	in.	–	–	–				
<b>905</b>	1/2	1/2	272391	Rigid	Auto with manual open/close	1 000	69	5.0	19
<b>905SF</b>	1/2	1/2	273862	Flex, 90 °	Auto with manual open/close	1 000	69	5.0	19

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Model 3866



Model 3867



Model 3868



Model 3942

**Preset dispense meters – mechanical**

Compatible fluids – petroleum and synthetic-based oils and antifreeze

Model	Inlet NPT (f)	Outlet NPSI	Extension Model	Type	Tip	Maximum pressure		Free delivery		Graduation
						psi	bar	gal./min.	liter/min.	
–	in.	in.	–	–	–					–
<b>3866</b>	1/2	1/2	93548	Rigid	Auto with manual open/close	1 000	69	4.0	15,14	16 quarts, 12 liters
<b>3867</b>	1/2	1/2	93548	Rigid	Auto with manual open/close	1 000	69	4.0	15,14	60 quarts
<b>3868</b>	1/2	1/2	93548	Rigid	Auto with manual open/close	1 000	69	4.0	15,14	60 gallons
<b>3942</b>	1/2	1/2	93548	Rigid	Auto with manual open/close	1 000	69	4.0	15,14	60 liters

Control valves, meters and accessories – dispense meters



Model 967



Model 980



Model 981



Model 982



Model 280690



Model 916EF



Model 916ER

**Dispense meters – digital**

Compatible fluids – petroleum and synthetic-based oils and antifreeze  
 Graduation on all models – pints/quarts/liters/gallons

Model	Inlet NPT (f)	Outlet NPT (f)	Extension Model	Type	Tip	Maximum pressure		Free delivery	
						psi	bar	gal./min.	liter/min.
–	in.	in.	–	–	–				
<b>967</b>	1/2	1/2	82258	Flex	Auto with manual open/close	1 500	103,4	4.0	15,14
<b>980</b>	1/2	1/2	282843	Flex/90 °	Manual	1 500	103,4	10.0	37,85
<b>981</b>	1/2	1/2	282842	Rigid/30 °	Auto	1 500	103,4	10.0	37,85
<b>982</b>	1/2	1/2	82258	Flex	Auto with manual open/close	1 500	103,4	10.0	37,85
<b>280690</b>	3/4	1/2	276281	Flexible	Auto with manual close	1 500	103,4	15.0	56,78
<b>916EF</b>	3/4	1/2	276281	Flex	Auto with manual close	1 500	103,4	12.0	45,42
<b>916ER</b>	3/4	1/2	276283	Rigid	Auto with manual close	1 500	103,4	12.0	45,42

Control valves, meters and accessories – dispense meters



Model 867



Model 876



Model 877



Model 878



Model 881



Model 883



Model 899



Model 68410

**Dispense meters – mechanical**

Compatible fluids – petroleum and synthetic-based oils and antifreeze.

Model	Inlet NPT (f)	Outlet NPT (f)	Extension Model	Type	Tip	Maximum pressure		Free delivery		Graduation
						psi	bar	gal./min.	liter/min.	
–	in.	in.	–	–	–	psi	bar	gal./min.	liter/min.	–
<b>867</b>	1/2	1/2	245993	10 in. flex -1/4 in.	Auto with manual open/close	1 000	69	4.0	15,14	16 gallons
<b>876</b>	1/2	1/2	261484 242749 (nozzle)	4 in. rigid - 1/2 in.	Auto with manual open/close	1 000	69	4.0	15,14	16 quarts
<b>877</b>	1/2	1/2	82258	10 in. flex -1/4 in.	Auto with manual open/close	1 000	69	4.0	15,14	16 quarts
<b>878</b>	1/2	1/2	273862	Flex/90 °	Manual	1 000	69	4.0	15,14	8 pints
<b>881</b>	1/2	1/2	272391	Flex/90 °	Manual	1 000	69	4.0	15,14	10 liter
<b>883</b>	1/2	1/2	82415	20 in. flex -1/4 in.	Auto with manual open/close	1 000	69	4.0	15,14	16 quarts
<b>899</b>	1/2	1/2	82258	10 in. flex -1/4 in.	Auto with manual open/close	1 000	69	4.0	15,14	10 liter
<b>68410</b>	1/2	1/2	–	–	–	1 000	69	4.0	15,14	16 quarts

Control valves, meters and accessories – fluid lubricant accessories



Model 82070



Model 82258



Model 82642



Model 82932



Model 93548



Model 260380



Model 260381



Model 272391



Model 273862



Model 276280



Model 276281



Model 276282



Model 276283



Model 276310



Model 276311



Model 282842



Model 282843

**Extensions**

Model	Inlet NPT	Extension Type	Tip
–	in.	–	–
<b>82070</b>	1/2	Rigid pipe	Manual
<b>82258</b>	1/2	Flex hose	Auto
<b>82642</b>	1/2	Flex hose	Manual
<b>82932</b>	1/2	Rigid pipe	Cap
<b>93548</b>	1/2	Rigid – 1/2 in.	Auto with manual open/close
<b>260380</b>	1/2	Flex hose	Auto with manual open/close
<b>260381</b>	1/2	Rigid pipe	Auto with manual open/close
<b>272391</b>	1/2	Rigid – 1/4 in.	Auto with manual open/close
<b>273508</b>	1/2	Rigid pipe	Manual
<b>273862</b>	1/2	Flex/90 °	Auto with manual open/close
<b>276280</b>	1/2	Flex hose	Auto
<b>276281</b>	1/2	Flex hose	Auto with manual close
<b>276282</b>	1/2	Rigid pipe	Auto
<b>276283</b>	1/2	Rigid pipe	Auto with manual close
<b>276310</b>	1/2	90 ° flex extension	Auto
<b>276311</b>	1/2	Special fluid extension	Auto
<b>282842</b>	1/2	Rigid/30 °	Auto
<b>282843</b>	1/2	Flex/90 °	Manual

Control valves, meters and accessories – fluid lubricant accessories



Model 84799



Model 85799



Model 93547



Model 277814



Model 261484



Model 242749



Model 280432



Model 13001

Tips and accessories

Model	Description	Thread size
–	–	in.
<b>84799</b>	Semi-automatic non-drip nozzle assembly	1/4
<b>85799</b>	Semi-automatic non-drip nozzle assembly with 4 in. (102 mm) rigid extension	1/2
<b>93547</b>	Semi-automatic non-drip nozzle assembly	1/4
<b>277814</b>	Non-drip nozzle assembly	1/2
<b>261484</b>	Automatic non-drip nozzle assembly	1/2
<b>242749</b>	4 in. (102 mm) pipe extension	1/2
<b>280433</b>	12 in. (305 mm) flexible delivery hose	1/2
<b>280432</b>	Semi-automatic non-drip nozzle assembly	1/2
<b>13001</b>	3/4 in. NPTF female to 1/2 in. NPTF male bushing adapter	–

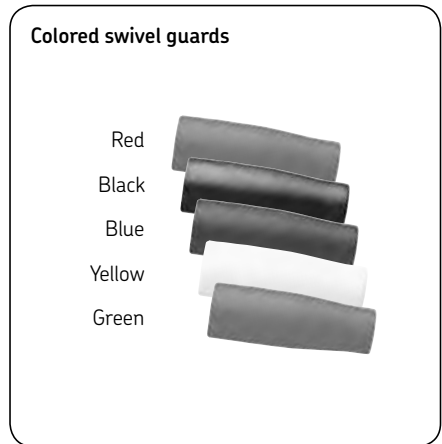
Colored swivel guards

Attach these flexible swivel guards to separate meters to differentiate between fluids. Available in red (model 260374), black (model 260375), blue (model 260376), yellow (model 260377) and green (model 260378).

Meter accessories

Model 90464 swivel

Straight oil meter swivel, 1/2 in. NPT (m) x 1/2 in. NPT (f). Maximum working pressure: 1 000 psi (69 bar).



Control valves, meters and accessories – inline and volume



Model 814



Model 817



Model 857



Model 870



Model 871



Model 873



Model 961



Model 962



Model 963



Model 964



Model 2873



Model 236594



Model 236595

**Inline lube meters**

Model	Description	Total	Maximum pressure		Flowrate		Graduation	Compatible fluids
			psi	bar	gal./min.	liter/min.		
–	–	–					–	–
<b>814</b>	Digital – quarts, gallons, liters	99999.9	1 000	70	0.26 to 8	1 to 30	0.01	Engine oil, diesel oil, ATF and anti-freeze
<b>817</b>	Digital – quarts, gallons, liters	99999.9	1 500	103	0.8 to 21.1	3 to 80	0.01	Engine oil, diesel oil, ATF and anti-freeze
<b>857</b>	Digital quarts	999.9 gallon	1 000	70	0.26 to 7.9	1 to 30	0.05 quart	Engine oil, diesel oil, ATF and anti-freeze
<b>870</b>	Pints totalizer	8 pint	1 000	70	0.4 to 4	1.5 to 15	1/4 pint	Engine oil, diesel oil, ATF and anti-freeze
<b>871</b>	Quarts totalizer	4 quart	1 000	70	0.4 to 4	1.5 to 15	1/4 quart	Engine oil, diesel oil, ATF and anti-freeze
<b>873</b>	Liters totalizer	10 liter	1 000	70	0.4 to 4	1.5 to 15	1/10 liter	Engine oil, diesel oil, ATF and anti-freeze
<b>961</b>	High volume in gallons	999.9 gallon	50	3,45	6 to 38	23 to 144	1/10 gallon	Gasoline, diesel fuel, and light weight petroleum products
<b>962</b>	High volume in gallons	999.9 gallon	1 000	70	4 to 40	15 to 151	1/10 gallon	Oils and ATFs up to SAE 40 weight
<b>963</b>	High volume in liter	999.9 liter	1 000	70	4 to 30	15 to 115	1/10 liter	Oils and ATFs up to SAE 40 weight
<b>964</b>	High volume in liter	999.9 liter	50	3,45	6 to 38	22 to 144	1/10 liter	Gasoline, diesel fuel, and light weight petroleum products
<b>2873</b>	Liters dial	4 liter	1 000	70	0.4 to 4	1.5 to 15	1/10 liter	Engine oil, diesel oil, ATF and anti-freeze
<b>236594</b>	Quarts dial	16 quart	1 000	70	0.4 to 4	1.5 to 15		Engine oil, diesel oil, ATF and anti-freeze
<b>236595</b>	Pints dial	8 pint	1 000	70	0.4 to 4	1.5 to 15	1/4 pint	Engine oil, diesel oil, ATF and anti-freeze

All meter models totalizing, except models 2873, 236594 and 236595

Control valves, meters and accessories – inline and volume



**Pulse output meters**

85544: Compatible fluids – motor oils (SAE 5-50), gear oils (SAE 80-240), automatic transmission fluid, antifreeze (ethylene glycol)  
 85545: Compatible fluids – windshield wiper fluid and engine coolant  
 277539: Compatible fluids – DEF  
 284194: Compatible fluids – engine oil, diesel oil, automatic transmission fluid (maximum viscosity SAE 140), ethylene glycol based anti-freeze / anti-boil mixture (max. 50% water)  
 84458, 84459, 84460: Compatible fluids – engine oil, diesel oil, ATF, and anti-freeze

Model	Description	Pulse rate	Maximum pressure		Flowrate		Port NPT
			psi	bar	gal./min.	liter/min.	
–	–	–					
<b>85544</b>	1/2 in. pulse meter	95 pulses/quart	1 500	103	0.25 to 8	0,9 to 30	1/2
<b>85545</b>	1/2 in. pulse meter	95 pulses/quart	1 500	103	0.25 to 8	0,9 to 30	1/2
<b>277539</b>	1/2 in. DEF meter	95 pulses/quart	145	10	0.25 to 8	0,9 to 30	1/2 BSPP
<b>284194</b>	3/4 in. pulse meter	206.5 pulses/gallon	1 500	103	0.8 to 21.1	3 to 80	3/4
<b>279147</b>	1 in. pulse meter	136.3 pulses/gallon <i>36 pulses/liter</i>	2 000	138	1.6 to 32	6 to 120	1
<b>278081</b>	1 in. stainless steel pulse meter	136.3 pulses/gallon	2 000	138	1.6 to 32	6 to 121	1
<b>277693</b>	1 1/2 in. pulse meter	54.9 pulses/gallon	800	55	4 to 62	15 to 235	1 1/2
<b>279149</b>	1 1/2 in. pulse meter	54.9 pulses/gallon <i>14,5 pulses/liter</i>	1 200	83	2.64 to 66	10 to 250	1 1/2
<b>277694</b>	2 in. pulse meter	25.36 pulses/gallon	800	55	4 to 130	15 to 492	2
<b>279150</b>	2 in. pulse meter	25.3 pulses/gallon <i>6,7 pulses/liter</i>	1 000	70	4 to 130	15 to 500	2
<b>277695</b>	3 in. pulse meter	9.77 pulses/gallon	175	12	5 to 200	19 to 757	3
<b>84458</b>	1/2 in. quarts meter	1/10 graduation/quart	1 000	70	4.5	17	1/2
<b>84459</b>	1/2 in. gallon meter	1/10 graduation/gallon	1 000	70	4.5	17	1/2
<b>84460</b>	1/2 in. liter meter	1/10 graduation/liter	1 000	70	4.5	17	1/2

## Air and water controls

Model 840



### Blow guns

#### Model 840

- Handy thumb-button design provides ease of operation
- Brass stem and synthetic packaging for service life
- Addition of air nipple permits quick connect or disconnect
- 1/4 in. NPT (f) inlet; 7/64 in. outlet diameter

#### Model 950

- Same as model 840, except with air restricter
- Nozzle inlet maximum pressure 30 psi (2,1 bar) complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B

#### Model 960

- Light-weight cast aluminum pistol grip
- 1/4 in. NPT (f) inlet; 7/64 in. outlet diameter; height 5 3/4 in. (146 mm)
- Nozzle inlet maximum pressure 30 psi (2,1 bar) complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B

#### Model 940

- Same as model 960 less air restricter
- When used for large cleaning requirement or chip cleaning, regulated air pressure must not exceed federal recommended maximum

#### Model 5980

- Thumb control provides comfort and ease of operation
- 1/4 in. NPT (f) inlet; 1/8 in. NPT (f) outlet

#### Model 5990 rubber tip for blow guns

- Rubber tip will not scratch surfaces
- Fits models 840, 940 and 5980 blow guns, as well as many competitive models
- 1/8 in. NPT (m) threads

Model 960



Model 5980



Model 5990



## Air and water accessories

### Model 846 water bibbcock

For attaching to water service hose.

- 1/4 in. NPT (f) inlet
- Thumb-action trigger. Built-in strainer filters out contaminants.

### Model 845 water bibbcock

Same as model 846 except 3/4 – 11 1/2 in. AN inlet connects to standard lawn hose.

Model 846



Model 815



### Air/water accessories

Model	Description	Style
–	in.	–
<b>815</b>	1/4 (f) air coupler	Lincoln "long stem"
<b>845</b>	3/4 – 11 1/2 AN inlet	Connects to standard lawn hose
<b>846</b>	1/4 (f) water bibbcock	Low-pressure water
<b>11659</b>	1/4 (m) air nipple	Lincoln "long stem"
<b>66951</b>	1/4 (f) tire chuck	Standard tire chuck

Model 11659



Model 66951

