



# Series 312 - 5:1 - 12 gpm



Applied  
Lubrication  
Technology Inc.

**Series 312 industrial air-operated double-acting pumps for medium distance.**  
Ideal for distribution of low to high viscosity oils. The double-action provides a continuous flow. Particularly effective in systems equipped with multiple distribution points.

## COMPATIBLE FLUIDS (page 16)



Low and medium viscosity fluids



High viscosity fluids



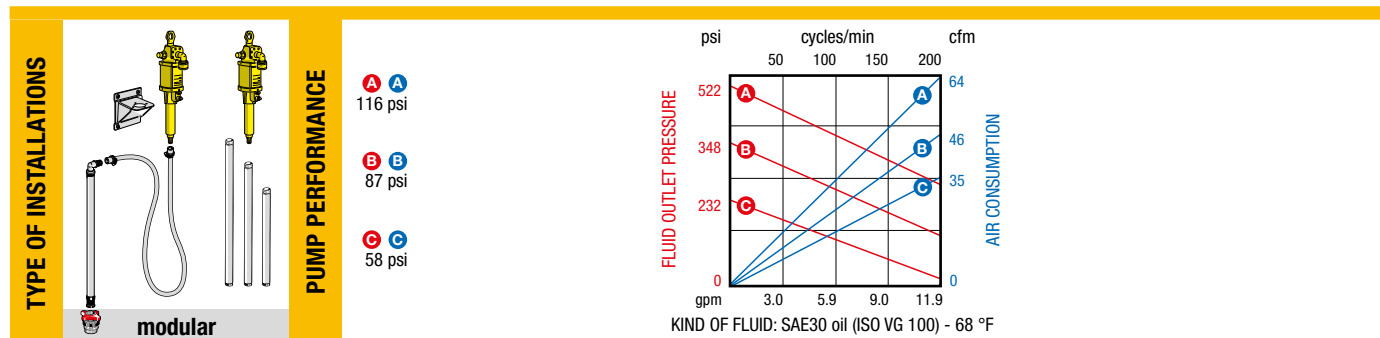
## P/N 90C/51-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	-
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	16.8
Max. air consumption 120 psi	64 cfm
Suction tube length	10.6"
Suction tube external diameter	2.44"
Type of installations	modular **
Packaging - Weight	No. 1 1.8 ft <sup>3</sup> lb 26

## P/N 90F/51-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	-
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	16.8
Max. air consumption 120 psi	64 cfm
Suction tube length	10.6"
Suction tube external diameter	2.44"
Type of installations	modular **
Packaging - Weight	No. 1 1.8 ft <sup>3</sup> lb 29

\*\* hose connection or 1" (f) thread





# Series 312 - 7:1 - 8 gpm

**Series 312 industrial  
air-operated  
double-acting pumps  
for long distance.**  
Ideal for distribution of  
low to very high viscosity  
oils. The double-action  
provides a continuous flow.  
Particularly effective in  
systems equipped  
with multiple distribution  
points.

## COMPATIBLE FLUIDS (page 16)



Low and medium  
viscosity fluids



High viscosity fluids



### P/N 90C/71-55

### P/N 90F/71-55

### P/N 93C/71-55

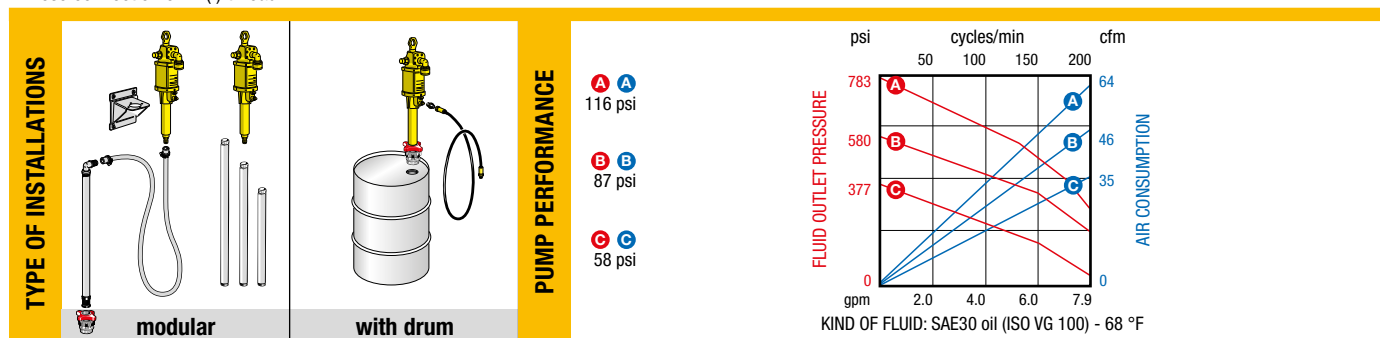
Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	25.3
Max. air consumption 120 psi	64 cfm
Suction tube length	10.6"
Suction tube external diameter	2.09" *
Type of installations	modular **
Packaging - Weight	No. 1 1.8 ft³  lb 26

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/15-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
25.3
64 cfm
10.6"
2.09" *
modular **
No. 1 1.8 ft³  lb 29

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/15-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
25.3
64 cfm
29.1"
2.09" *
suitable for drums 16 gal
No. 1 3.3 ft³  lb 32

\* suitable for standard 2" opening

\*\* hose connection or 1" (f) thread

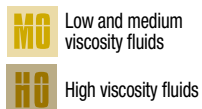




# Series 312 - 7:1 - 8 gpm

**Series 312 industrial air-operated double-acting pumps for long distance.**  
Ideal for distribution of low to very high viscosity oils. The double-action provides a continuous flow. Particularly effective in systems equipped with multiple distribution points.

## COMPATIBLE FLUIDS (page 16)



### P/N 91C/71-55

### P/N 91F/71-55

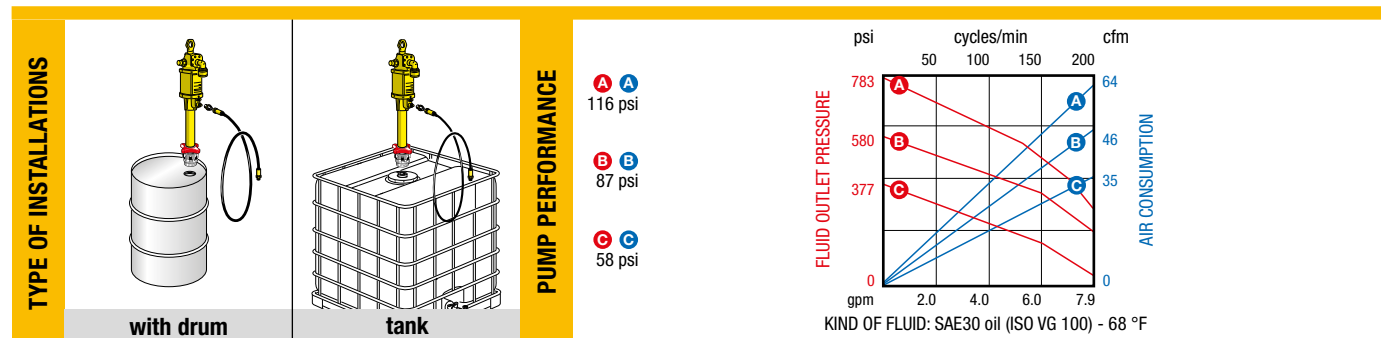
### P/N 92C/71-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	25.3
Max. air consumption 120 psi	64 cfm
Suction tube length	37"
Suction tube external diameter	2.09" *
Type of installations	suitable for drums 55 gal
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 35

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	25.3
Max. air consumption 120 psi	64 cfm
Suction tube length	37"
Suction tube external diameter	2.09" *
Type of installations	suitable for drums 55 gal
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 37

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	25.3
Max. air consumption 120 psi	64 cfm
Suction tube length	49.6"
Suction tube external diameter	2.09" *
Type of installations	tank
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 36

\* suitable for standard 2" opening





# Series 312 - 11:1 - 8 gpm

**Series 312 industrial air-operated double-acting pumps for long distance.**  
Ideal for distribution of low to very high viscosity oils. The double-action provides a continuous flow. Particularly effective in systems equipped with multiple distribution points.



## COMPATIBLE FLUIDS (page 16)



Low and medium viscosity fluids



High viscosity fluids



Medium and low viscosity greases

### P/N 90C/111-55

### P/N 91C/111-55

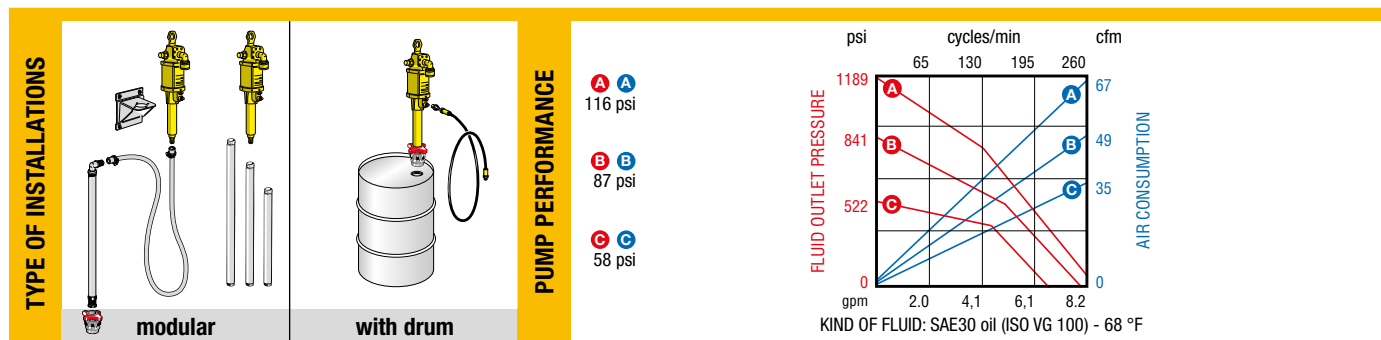
### P/N 92C/111-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/14-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	31.7"
Max. air consumption 120 psi	64 cfm
Suction tube length	10.6"
Suction tube external diameter	1.77"
Type of installations	modular **
Packaging - Weight	No. 1 1.8 ft³  lb 26

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/14-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
31.7"
64 cfm
37"
1.77"
suitable for drums 55 gal
No. 1 3.3 ft³  lb 36

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/14-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
31.7"
64 cfm
29.1"
1.77"
suitable for drums 16 gal
No. 1 3.3 ft³  lb 33

\*\* hose connection or 1" (f) thread





# Series 312 - 11:1 - 8 gpm

## Series 312 industrial air-operated double-acting pumps for long distance.

Ideal for distribution of low to very high viscosity oils. The double-action provides a continuous flow. Particularly effective in systems equipped with multiple distribution points.

### COMPATIBLE FLUIDS (page 16)



Low and medium viscosity fluids



High viscosity fluids



Medium and low viscosity greases



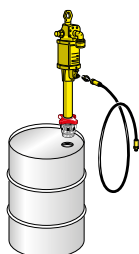
### P/N 90F/111-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request ( P/N 10/14-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	31.7
Max. air consumption 120 psi	64 cfm
Suction tube length	18.9"
Suction tube external diameter	1.77"
Type of installations	pump elevator
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 29

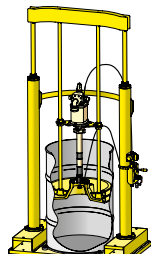
### P/N 91F/111-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/14-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	31.7
Max. air consumption 120 psi	64 cfm
Suction tube length	37"
Suction tube external diameter	1.77"
Type of installations	suitable for drums 55 gal
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 40

### TYPE OF INSTALLATIONS



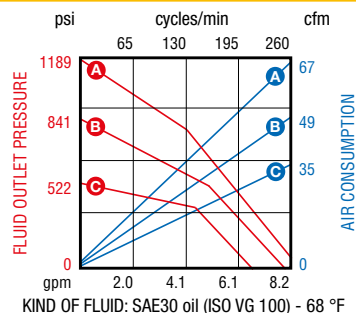
with drum



pump elevator

### PUMP PERFORMANCE

- 116 psi
- 87 psi
- 58 psi





Applied  
Lubrication  
Technology Inc.

## Series 412 12:1 - 8 gpm

**Series 412 industrial  
air-operated  
double-acting pumps  
for long distance.**  
Ideal for distribution of  
low to very high viscosity  
oils. The double-action  
provides a continuous  
flow. Particularly effective  
in systems equipped  
with multiple distribution  
points.

## Series 412 9:1 - 12 gpm

## Series 412 12:1 - 8 gpm



**COMPATIBLE FLUIDS** (page 16)



Low and medium  
viscosity fluids



High viscosity fluids

### P/N 115F/91-55

### P/N 115F/121-55

### P/N 116F/121-55

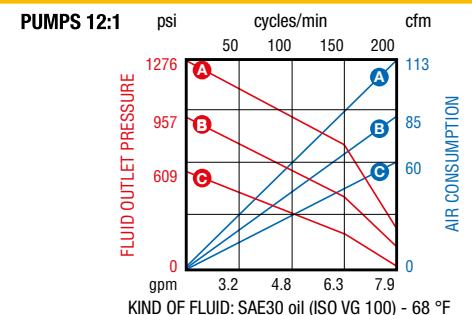
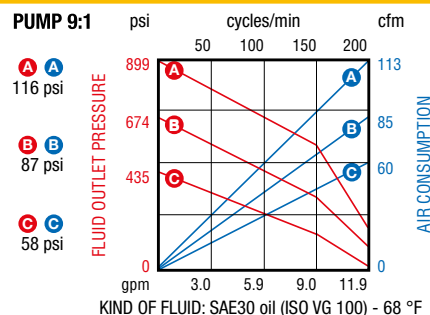
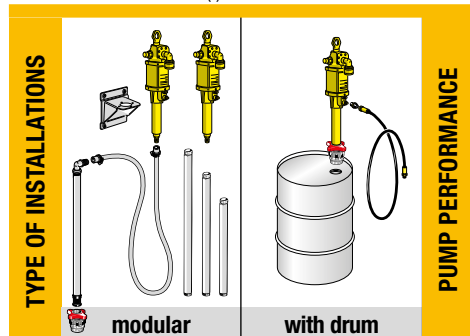
Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	-
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air working pressure	90 - 120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	16.8
Max. air consumption 120 psi	113 cfm
Suction tube length	9"
Suction tube external diameter	2.44"
Type of installations	modular **
Packaging - Weight	No. 1 1.8 ft³  lb 33

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/15-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
25.3
113 cfm
9"
2.09" *
modular **
No. 1 1.8 ft³  lb 33

polyurethane
aluminum - carbon steel
carbon steel
available on request (P/N 10/15-55)
1/2" NPT (f)
3/4" NPT (f)
90 - 120 psi
80 dB
14 - 140 °F
240 SAE
25.3
113 cfm
37"
2.09" *
suitable for drums 55 gal
No. 1 3.3 ft³  lb 35

\* suitable for standard 2" opening

\*\* hose connection or 1" (f) thread





# Series 412 - 18:1 - 6 gpm

## Series 412 industrial air-operated double-acting pumps for long distance.

Ideal for distribution of low to very high viscosity oils. The double-action provides a continuous flow. Particularly effective in systems equipped with multiple distribution points.

### COMPATIBLE FLUIDS (page 16)

- MO** Low and medium viscosity fluids
- HO** High viscosity fluids
- GR** Medium and low viscosity greases



### P/N 115F/181-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air max. pressure	120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	32.8
Max. air consumption 120 psi	113 cfm
Suction tube length	18.9"
Suction tube external diameter	2.09" *
Type of installations	pump elevator
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 39

### P/N 116F/181-55

Type of seals	polyurethane
Air motor	aluminum - carbon steel
Suction tube	carbon steel
Bung adapter	available on request (P/N 10/15-55)
Air inlet connection	1/2" NPT (f)
Fluid outlet connection	3/4" NPT (f)
Air max. pressure	120 psi
Noise level	80 dB
Deliverable oil temperature	14 - 140 °F
Max. deliverable oil viscosity	240 SAE
Cycles per gallon	32.8
Max. air consumption 120 psi	113 cfm
Suction tube length	37"
Suction tube external diameter	2.09" *
Type of installations	suitable for drums 55 gal
Packaging - Weight	No. 1 3.3 ft <sup>3</sup> lb 43

\* suitable for standard 2" opening

