

CenterFlo AODD Transfer Pump Description

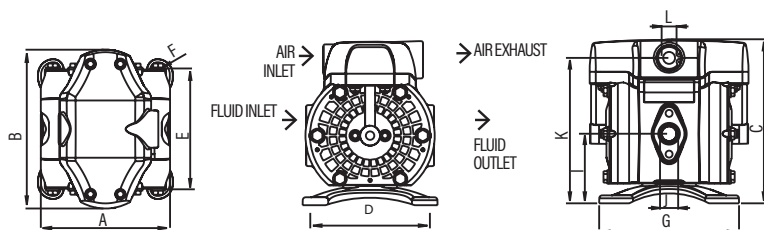
- 1.1. All CenterFlo AODD pumps will be a stall resistant design, manifold free, single molded pump body.
- 1.2. All CenterFlo AODD pumps will utilize a pressure differential in the air chambers to alternately create suction and positive fluid pressure in the fluid chambers, ball checks insure a positive flow of fluid.
- 1.3. All CenterFlo AODD pumps will be easily serviceable without disconnecting from distribution line.
- 1.4. All CenterFlo AODD pumps will be individually factory tested and verified for proper function.
- 1.5. All CenterFlo AODD pumps will be lube-free and ice-free.
- 1.6. All CenterFlo AODD pumps will have no rotating shafts or seals.
- 1.7. All CenterFlo AODD pumps will be able to run dry without damage to seals or wetted parts.
- 1.8. All CenterFlo AODD pumps will have on-demand operation.
- 1.9. All CenterFlo AODD pumps will have a fluid path through the center of the pump.
- 1.10. All CenterFlo AODD pumps will use Frictionless Pivoting Air Valve (FPV) technology.
- 1.11. All CenterFlo AODD pumps will have check valves with ball cages which minimize pulsation and provide improved performance under system pressure.
- 1.12. All CenterFlo AODD pumps will have no manifolds - ball checks will be internal and in parallel to the center of pump for improved performance and minimal pulsation
- 1.13. All CenterFlo AODD pumps will have a noise level below 80 db

Diaphragm Pumps

Product Selection Matrix

MAX. FREE FLOW	AIR INLET	FLUID IN / OUT	WETTED PARTS		RECOMMENDED FLUID TYPES	RECOMMENDED APPLICATIONS
			CHECK BALLS	DIAPHRAGM		
CF10 POLYPROPYLENE						
10 gal/min (38 l/min)	3/8" NPSM(F)	1/2" NPT(F)	PTFE (Teflon®)	Hytrel®	Anti-freeze (Glycol) and windshield wash solution	Fluid dispensing and transfer
CF10 POLYPROPYLENE/DEF						
10 gal/min (38 l/min)	3/8" NPSM(F)	1/2" BSPP(F)	PTFE (Teflon®)	Hytrel®	Diesel exhaust fluid	Fluid dispensing and transfer
CF15 POLYPROPYLENE						
15 gal/min (50 l/min)	3/8" NPSM(F)	1/2" NPT(F)	PTFE (Teflon®)	Hytrel®	Anti-freeze (Glycol) and windshield wash solution	Fluid dispensing, transfer, and evacuation
CF15 POLYPROPYLENE MIX						
15 gal/min (50 l/min)	2-3/8" NPSM(F)	1/2" NPT(F)	PTFE (Teflon®)	Hytrel®	Anti-freeze (Glycol) and windshield wash solution	Fluid dispensing, transfer, and evacuation
CF15 POLYPROPYLENE/DEF						
15 gal/min (50 l/min)	3/8" NPSM(F)	1/2" BSPP(F)	PTFE (Teflon®)	Hytrel®	Diesel exhaust fluid	Fluid dispensing and transfer
CF15 ALUMINUM						
15 gal/min (50 l/min)	3/8" NPSM(F)	1/2"NPT(F)	Buna-N™	Buna-N™	Light viscosity fluids synthetic, mineral oils, and oil	Fluid dispensing, transfer, and evacuation
CF30 POLYPROPYLENE						
28 gal/min (106 l/min)	3/8" NPSM(F)	1" NPT(F)	PTFE (Teflon®)	Hytrel®	Anti-freeze (Glycol) and windshield wash solution	Fluid dispensing, transfer, and evacuation
CF30 POLYPROPYLENE/DEF						
28 gal/min (106 l/min)	3/8" NPSM(F)	1" BSPP(F)	PTFE (Teflon®)	Hytrel®	Diesel exhaust fluid	Fluid dispensing and transfer
CF30 ALUMINUM						
28 gal/min (106 l/min)	3/8" NPSM(F)	1" NPT(F)	Hytrel®	Buna-N™	Light viscosity fluids synthetic, mineral oils, oil, and diesel	Fluid dispensing, transfer, and evacuation
CF50 POLYPROPYLENE/DEF						
53 gal/min (200 l/min)	3/8" NPSM(F)	1" ANSI FLANGE	Acetal	Hytrel®	Diesel exhaust fluid, Anti-freeze, (Glycol) and windshield wash solution	Fluid dispensing, transfer, and evacuation
CF50 ALUMINUM						
53 gal/min (200 l/min)	3/8" NPSM(F)	1" NPT(F)	Buna-N™	Buna-N™	Light viscosity fluids, synthetic, mineral oils, used oil, and diesel	Fluid dispensing, transfer, and evacuation
CF65 ALUMINUM						
65 gal/min (250 l/min)	1/2" NPSM(F)	1 1/2" NPT(F)	Acetal	Hytrel®	Light viscosity fluids, synthetic, mineral oils, used oil, windshield wash solution, and diesel	High volume transfer, bulk fill, de-watering, and evacuation





Dimensions inches (MM)										
A	B	C	D	E	F*	G	I	J	K	L
5.12" (130 mm)	6.3" (160 mm)	6.38" (162 mm)	4.13" (105 mm)	4.8" (122 mm)	0.31" (8 mm)	5.51" (140 mm)	2.76" (70 mm)	1/2" (F)	5.71" (146 mm)	3/8" (F)

* Diameter of the holes for fasteners in each of the four pump feet. Flange connection: 2 bolts - M 5 (1.61" between centers)

TECHNICAL DATA		
	1120-029A	1120-034A
Air inlet	3/8" NPSM(F)	3/8" NPSM(F)
Fluid inlet port	1/2" NPT(F)	1/2" BSPP(F)
Fluid outlet port	1/2" NPT(F)	1/2" BSPP(F)
Max. free flow	10 gal/min (38 l/min)	10 gal/min (38 l/min)
Air pressure range	22 to 102 psi (1.5 to 7 bar)	22 to 102 psi (1.5 to 7 bar)
Solids in suspension	1/8" (3 mm)	1/8" (3 mm)
Wetted Materials	PTFE (Teflon), Viton [®] , Polypropylene, Stainless Steel, Acetal, and Hytrel [®]	PTFE (Teflon), Viton [®] , polypropylene, stainless steel, acetal, and Hytrel [®]
Recommended Fluids	Anti-freeze (Glycol) and windshield wash solution	Anti-freeze (Glycol) and windshield wash solution
Recommended Applications	Fluid dispensing, transfer, and DEF	Fluid dispensing, transfer, and DEF
Service Bulletin	SB 1145	SB 1145

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-029A						
Polypropylene	NPT threaded ports	Polypropylene	Stainless Steel	Stainless Steel	PTFE	Hytrel [®]
1120-034A						
Polypropylene	BSPP threaded ports	Polypropylene	Stainless Steel	Stainless Steel	PTFE	Hytrel [®]

Anti-freeze (Glycol) Windshield wash solution DEF

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

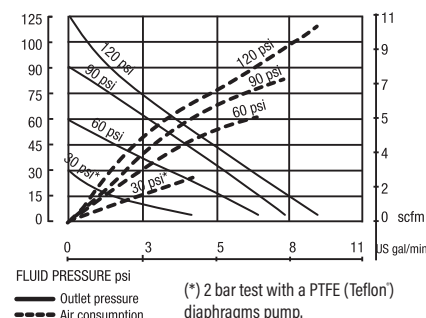
Typical applications are transferring and dispensing, up to 10 gal/min. They can be used as stand-alone pumps for transfer applications.

Markets Served

- Car and truck dealers
- Tire shops
- In-plant transfer
- Quick lubes

Pressure relief valve kit 3120-232 for this pump is recommended and not included.

MODELS AVAILABLE	DESCRIPTION
1120-029A	CF10 Polypropylene
1120-034A	CF10 Polypropylene / DEF
3120-232	Pressure Relief for Diaphragm 1/2" NPT



CF10 Poly AODD Pump-CenterFlo Description

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are transferring, dispensing, and evacuation, up to 10 gal/min. They can be used as stand-alone pumps for transfer applications.

CF10 Poly AODD Pump-CenterFlo Models Available

- ☐ **1120-029** CF10 Polypropylene
- ☐ **1120-034** CF10 Polypropylene / DEF

CF10 Poly AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 3/8" NPSM(F)
- 3.3. AODD Pump will have a fluid inlet port of 1/2" NPT(F) 1120-029A & 1/2" BSPP(F) DEF 1120-034
- 3.4. AODD Pump will have a fluid outlet port of 1/2" NPT(F) 1120-029A & 1/2" BSPP(F) DEF 1120-034
- 3.5. AODD Pump will have a free flow of 10 gal/min (38 l/min) 100 psi (7 bar) air pressure
- 3.6. AODD Pump will have an operating air pressure of 22 to 102 psi (1.5 to 7 bar)
- 3.7. AODD Pump will have a maximum size of suspended solids of 1/8" (3 mm)

Materials

- 4.1. The wetted materials will consist of PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, Acetal, and Hytrel®

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD CenterFlo CF15 Mixing



Anti-freeze (Glycol) Windshield wash solution DEF

CenterFlo pumps with a dual inlet for 1:1 ratio mixing of fluids with similar viscosities, like windshield wash or anti-freeze with water. All dual inlet pumps have 2 x 2 - 3/8" NPT(F) inlet ports.

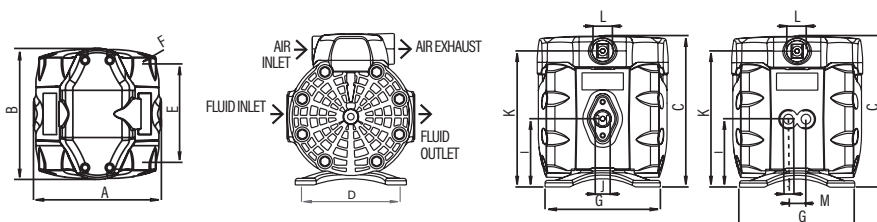
Fluids

- Anti-freeze (Glycol)
- Windshield wash solution

Markets Served

- Car and truck dealers
- Quick lubes

Pressure relief valve kit 3120-232 for this pump is recommended and not included.



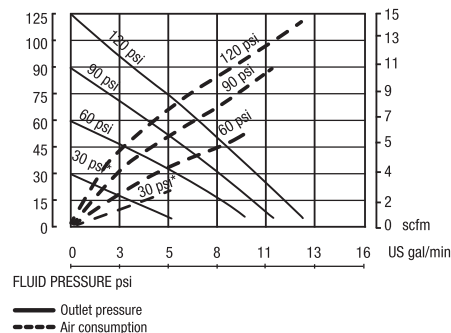
Dimensions inches											
A	B	C	D	E	F*	G	I	J	K	L	M
6.14	6.30	7.28	4.13	4.80	0.31	5.54	3.27	0.5" (F)	6.54	3/8" (F)	0.94

* Diameter of the holes for fasteners in each of the four pump feet.
Flange connection: 2 bolts - M 5 (1.61" between centers)

TECHNICAL DATA	
Air inlet	3/8" NPSM(F)
Fluid inlet port	2 - 3/8" NPT(F)
Fluid outlet port	1/2" NPT(F) & flange
Max. free flow	15 gal/min (50 l/min)
Air pressure range	22 to 102 psi (1.5 to 7 bar)
Solids in suspension	1/8" (3 mm)
Wetted Materials	PTFE (Teflon), Viton [®] , polypropylene, stainless steel, acetal and Hytrel [®]
Recommended Fluids	Anti-freeze (Glycol) and windshield wash solution
Recommended Applications	Dual inlet pumps for 1:1 proportion mixing of fluids with similar viscosity. NOTE: both fluids and their resulting solution must be compatible with the pump wetted materials
Service Bulletin	SB 1145

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

MODELS AVAILABLE	DESCRIPTION
1120-028	CF15 Polypropylene Mixing
3120-232	Pressure Relief for Diaphragm 1/2" NPT



(*) 2 bar test with a PTFE (Teflon) diaphragms pump.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-028						
Polypropylene	NPT threaded ports	Polypropylene	Stainless Steel	Stainless Steel	PTFE	Hytrel [®]

AODD

CenterFlo CF15 Mixing

CF15 Poly/Mix AODD Pump-CenterFlo Description

CenterFlo pumps with a dual inlet for 1:1 ratio mixing of fluids with similar viscosities, like windshield wash or anti-freeze with water. All dual inlet pumps have 2 x 2 - 3/8" NPT(F) inlet ports.

CF15 Poly/Mix AODD Pump-CenterFlo Models Available

☐ **1120-028A** CF15 Polypropylene Mixing

CF15 Poly/Mix AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 3/8" NPSM(F)
- 3.3. AODD Pump will have two fluid inlet ports of 2 - 3/8" NPT(F)
- 3.4. AODD Pump will have a fluid outlet port of 1/2" NPT(F) & flange
- 3.5. AODD Pump will have a free flow of 15 gal/min (50 l/min) based on 100 psi (7 bar) air pressure
- 3.6. AODD Pump will have an operating air pressure of 22 to 102 psi (1.5 to 7 bar)
- 3.7. AODD Pump will have a maximum size of suspended solids of 1/8" (3 mm)

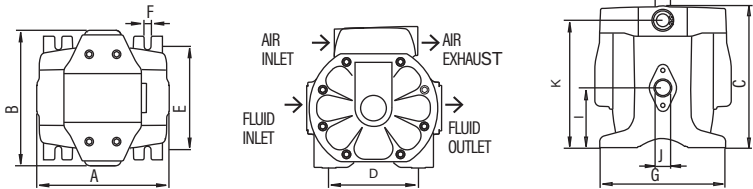
Materials

- 4.1. The wetted materials will consist of PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, Acetal, and Hytrel®

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD CenterFlo CF15



Dimensions inches for aluminum pump (MM)										
A	B	C	D	E	F*	G	I	J	K	L
6.14" (156 mm)	6.30" (160 mm)	6.57" (167 mm)	4.13" (105 mm)	4.80" (122 mm)	0.31"	5.75" (146 mm)	2.76" (70 mm)	1/2" (F)	5.91" (150 mm)	3/8" (F)
Dimensions inches for polypropylene pump (MM)										
6.14" (156 mm)	6.30" (160 mm)	7.28" (185 mm)	4.13" (105 mm)	4.80" (122 mm)	0.31"	5.54" (141 mm)	3.27" (84 mm)	1/2" (F)	6.54" (167 mm)	3/8" (F)

* Diameter of the holes for fasteners in each of the four pump feet.
Flange connection: 2 bolts - M 5 (1.61" between centers)

TECHNICAL DATA			
	1120-023A	1120-025A	1120-027
Air inlet	3/8" NPSM(F)	3/8" NPSM(F)	3/8" NPSM(F)
Fluid inlet port	1/2" NPT(F) 1120-023A	1/2" BSPP(F)	1/2" NPT(F)
Fluid outlet port	1/2" NPT(F)	1/2" BSPP(F)	1/2" NPT(F)
Max. Free Flow	15 gal/min (50 l/min)	15 gal/min (50 l/min)	15 gal/min (50 l/min)
Air pressure range	22 to 102 psi (1.5 to 7 bar)	22 to 102 psi (1.5 to 7 bar)	22 to 102 psi (1.5 to 7 bar)
Solids in suspension	1/8" (3 mm)	1/8" (3 mm)	1/8" (3 mm)
Wetted Materials	PTFE (Teflon), Viton®, Polypropylene, Stainless Steel, and Hytrel®	PTFE (Teflon), Viton®, Polypropylene, Stainless Steel, and Hytrel®	Aluminum, PTFE, Viton®, Polypropylene, Buna-N™, and Stainless Steel
Recommended fluids	Anti-freeze (Glycol) and windshield wash solution	Diesel exhaust fluid	Light viscosity fluids, synthetic, mineral oils, anti-freeze, and oil
Recommended Applications	Fluid dispensing and transfer	Fluid dispensing and transfer	Fluid dispensing and transfer
Service Bulletin	SB 1145	SB 1145	SB 1145

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point.
Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-023A						
Polypropylene	N = 1" NPT threaded ports	Polypropylene	Stainless Steel	Polypropylene	Hytrel®	Hytrel®
1120-027						
Aluminum	NPT threaded ports	Aluminum	Carbon Steel	Aluminum	Hytrel®	Hytrel®
1120-025A						
Polypropylene	BSPP threaded ports	Polypropylene	Stainless Steel	Polypropylene	Hytrel®	Hytrel®

Anti-freeze (Glycol)
Light viscosity fluids
Windshield wash solution
Synthetic and mineral oils
DEF
Used anti-freeze

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are transferring and dispensing up to 15 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps in distribution systems that include hose reels.

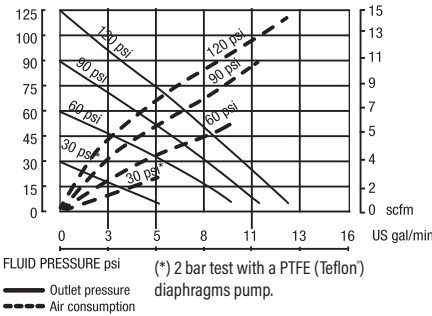
Markets Served

- Car and truck dealers
- Tire shops
- In-plant transfer
- Quick lubes

Pressure relief valve kit 3120-232 for this pump is recommended and not included.

MODELS AVAILABLE	DESCRIPTION
1120-023A	CF15 Polypropylene
1120-027	CF15 Aluminum
1120-025A	CF15 Polypropylene / DEF
3120-232	Pressure Relief for Diaphragm 1/2" NPT

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.



CF15 AODD Pump-CenterFlo Description

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are transferring, dispensing, and evacuation up to 15 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps in distribution systems that include hose reels.

CF15 AODD Pump-CenterFlo Models Available

- ☐ **1120-023A** CF15 Polypropylene
- ☐ **1120-027** CF15 Aluminum
- ☐ **1120-025A** CF15 Polypropylene / DEF

CF15 AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 3/8" NPSM(F)
- 3.3. AODD Pump will have a fluid inlet port of 1/2" NPT(F) 1120-023A, 1120-027 & 1/2" BSPP(F) DEF 1120-025A
- 3.4. AODD Pump will have a fluid outlet port of 1/2" NPT(F) 1120-023A, 1120-027 & 1/2" BSPP(F) DEF 1120-025A
- 3.5. AODD Pump will have a free flow of 15 gal/min (50 l/min) based on 100 psi (7 bar) air pressure
- 3.6. AODD Pump will have an operating air pressure of 22 to 102 psi (1.5 to 7 bar)
- 3.7. AODD Pump will have a maximum size of suspended solids of 1/8" (3 mm)

Materials

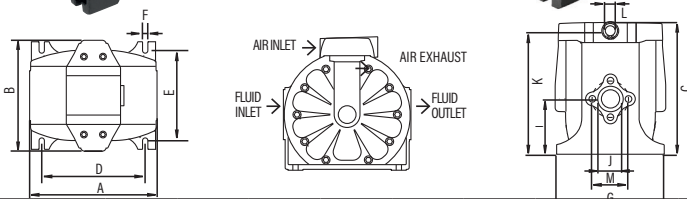
The wetted materials will consist of

- 4.1. 1120-023A - 1120-025A PTFE (Teflon®), Viton®, Polypropylene, Stainless Steel, and Hytrel®
- 4.2. 1120-027 Aluminum, PTFE, Viton®, Polypropylene, Buna-N™, and Stainless Steel

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD CenterFlo CF30



**Anti-freeze (Glycol)
Light viscosity fluids
Windshield wash
solution
Synthetic and
mineral oils
DEF
Used anti-freeze**

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are transferring and dispensing up to 28 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps that include hose reels.

Markets Served

- Car and truck dealers
- In-plant transfer
- Lube trucks
- Quick lubes

Pressure relief valve kit 3120-232 for this pump is recommended and not included.

MODELS AVAILABLE	DESCRIPTION
1120-026A	CF30 Polypropylene
1120-040	CF30 Aluminum
1120-031A	CF30 Polypropylene/DEF
3120-232	Pressure Relief for Diaphragm 1/2" NPT

Dimensions inches for aluminum pump (MM)											
A	B	C	D	E	F*	G	I	J	K	L	M
8.50" (216 mm)	7.44" (189 mm)	8.94" (227 mm)	6.89" (175 mm)	6.06" (154 mm)	0.35"	7.24" (184 mm)	3.72" (94 mm)	1" (F)	8.27" (210 mm)	0.37" (F)	2.44**
Dimensions inches for polypropylene pump (MM)											
8.50" (216 mm)	8.58" (218 mm)	9.06" (231 mm)	6.89" (175 mm)	6.06" (154 mm)	0.31"	7.24" (184 mm)	3.72" (94 mm)	1" (F)	8.33" (212 mm)	0.37" (F)	2.44**

*Diameter of the holes for fasteners in each of the four pump feet. **Flange connection: 4 bolts - M 10 (2.44" between centers).

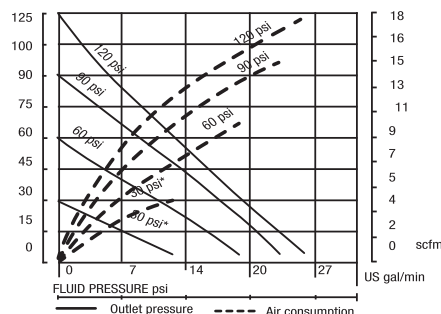
TECHNICAL DATA			
	1120-026A	1120-031A	1120-040
Air inlet	3/8" NPSM(F)	3/8" NPSM(F)	3/8" NPSM(F)
Fluid inlet port	1" NPT(F)	1" BSPP(F)	1" NPT(F)
Fluid outlet port	1" NPT(F)	1" BSPP(F)	1" NPT(F)
Max. free flow	28 gal/min (106 l/min)	28 gal/min (106 l/min)	28 gal/min (106 l/min)
Air pressure range	22 to 102 psi (1.5 to 7 bar)	22 to 102 psi (1.5 to 7 bar)	22 to 102 psi (1.5 to 7 bar)
Solids in suspension	3/16" (4 mm)	3/16" (4 mm)	3/16" (4 mm)
Wetted Materials	PTFE (Teflon), Viton, Polypropylene, Stainless Steel, and Hytrel	PTFE (Teflon), Viton, Polypropylene, Stainless Steel, and Hytrel	Aluminum, Acetal Teflon, Buna-N, Hytrel, and Stainless Steel
Recommended fluids	Windshield wash solution	Diesel exhaust fluid	Light viscosity fluids, synthetic, mineral oils, and anti-freeze
Recommended applications	Fluid dispensing, transfer, and DEF	Fluid dispensing, transfer, and DEF	Fluid dispensing, transfer, and DEF
Service Bulletin	SB 1145	SB 1145	SB 1145

(*) 2 bar test with a PTFE (Teflon) diaphragms pump.

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point.

Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-026A						
Polypropylene	NPT threaded ports	Polypropylene	Stainless Steel	Stainless Steel	PTFE	Hytrel
1120-040						
Aluminum	NPT threaded ports	Aluminum	Carbon Steel	Hytrel	Hytrel	Hytrel
1120-031A						
Polypropylene	BSPP threaded ports	Polypropylene	Stainless Steel	Stainless Steel	PTFE	Hytrel



CF30 AODD Pump-CenterFlo Description

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are transferring, dispensing, and evacuation up to 28 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps that include hose reels.

CF30 AODD Pump-CenterFlo Models Available

- ☐ **1120-026A** CF30 Polypropylene
- ☐ **1120-040** CF30 Aluminum
- ☐ **1120-031A** CF30 Polypropylene / DEF

CF30 AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 3/8" NPSM(F)
- 3.3. AODD Pump will have a fluid inlet port of 1" NPT(F) for pumps 1120-026A and 1120-024
- 3.4. AODD Pump will have a fluid inlet port of 1" BSPP(F) for DEF pump 1120-031A
- 3.5. AODD Pump will have a fluid outlet port of 1" NPT(F) for pumps 1120-026A, 1120-024
- 3.6. AODD Pump will have a fluid outlet port of 1" BSPP(F) for DEF pump 1120-031A
- 3.7. AODD Pump will have a free flow of 28 gal/min (106 l/min) based on 100 psi (7 bar) air pressure
- 3.8. AODD Pump will have an operating air pressure of 22 to 102 psi (1.5 to 7 bar)
- 3.9. AODD Pump will have a maximum size of suspended solids of 3/16" (4 mm)

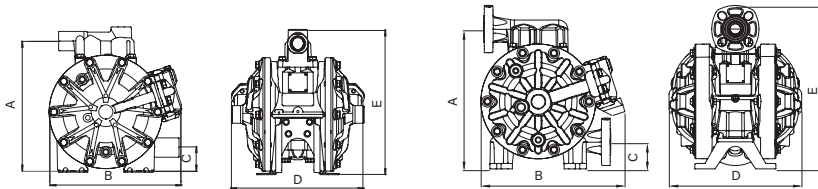
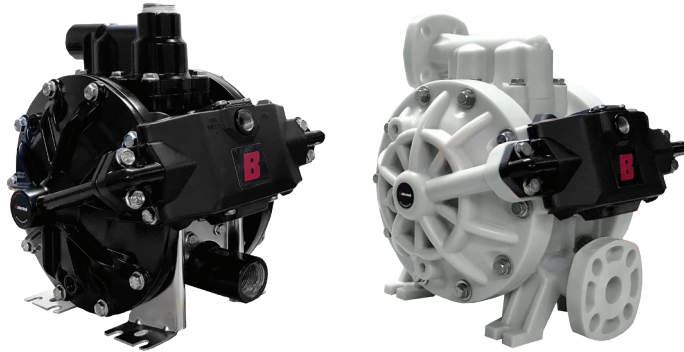
Materials

The wetted materials will consist of

- 4.1. 1120-026A and 1120-031A PTFE (Teflon), Viton, Polypropylene, Stainless Steel, and Hytrel
- 4.2. 1120-024 Aluminum, Acetal Teflon, Buna-N™, Stainless Steel, and Hytrel

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.



Dimensions inches (MM)				
A	B	C	D	E
11" (278 mm)	11" (280 mm)	2" (52 mm)	11" (281 mm)	12.13" (308 mm)

Dimensions inches (MM)				
A	B	C	D	E
12.25" (311 mm)	12.59" (320 mm)	2.33" (60 mm)	11.66" (295 mm)	14.33" (364 mm)

Used Oil Used Anti-freeze Synthetic and mineral based motor oil Windshield wash solution

CF50 is a high performance 1" AODD pump with many unique features. The new CF50 utilizes a flow through fluid design that is more air efficient than traditional AODD pumps. Capable of distributing up to 53 gal/min. This equates to higher performance, versatility along with easy serviceability.

- High performance; increased flow rate with minimal air consumption
- Dependability; non-icing air motor
- Versatile; inlet and outlet ports can be oriented to fit the installation/application
- Ease of service; diaphragms and air motor can be serviced with the pump installed without removal

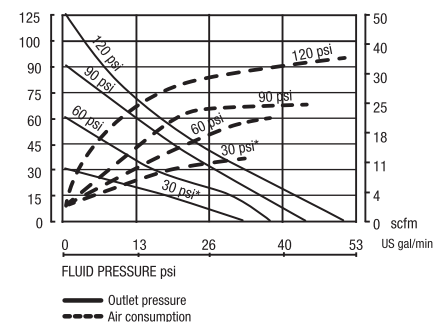
Markets served

- Car and truck dealers
- Mining and construction
- Fleets
- Railroad and mass transit
- In-plant transfer
- Lube trucks

Pressure relief valve kit 3120-231 for this pump is recommended and not included.

1120-038 includes flange kit for pump mounting.

MODELS AVAILABLE	DESCRIPTION
1120-037	CF50 Aluminum NPT
1120-038	CF50 Polypropylene Flange
3120-231	Pressure Relief for Diaphragm 1" NPT



TECHNICAL DATA		
	1120-037	1120-038
Air inlet	3/8" NPSM(F)	3/8" NPSM(F)
Fluid inlet port	1" NPT(F)	1" ANSI flange B16.5 150 lb
Fluid outlet port	1" NPT(F)	1" ANSI flange B16.5 150 lbs
Max. free flow	53 gal/min (200 l/min)	53 gal/min (200 l/min)
Air pressure range	22 to 115 psi (1,5 a 8 bar)	22 to 115 psi (1,5 a 8 bar)
Solids in suspension	1/8" (3.2 mm)	1/8" (3.2 mm)
Wetted Materials	Aluminum, Hytrel®, Acetal, Buna-N™, and Stainless Steel	PTFE (Teflon®), Polypropylene, Stainless Steel, Hytrel®, FKN, and ASTM
Recommended Fluids	Light viscosity fluids, synthetic, mineral oils, anti-freeze, and used oil	Windshield wash solution
Recommended Applications	Fluid dispensing, transfer, and evacuation	Fluid dispensing, transfer, and evacuation
Service Bulletin	SB 1147	SB 1147

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-037						
Aluminum	NPT threaded ports	Aluminum	Carbon Steel	Buna-N	Acetal	Buna-N
1120-038						
Polypropylene	NPT threaded lateral ports	Polypropylene	Stainless Steel	Santoprene	Santoprene	Santoprene

CF50 AODD Pump-CenterFlo Description

CF50 is a high performance 1" AODD pump with many unique features. Similar to all our CF series pumps, the new CF50 utilizes a flow through fluid design that is more air efficient than traditional AODD pumps. Capable of distributing up to 50 gal/min. This equates to higher performance, versatility along with easy serviceability.

- High performance; increased flow rate with minimal air consumption
- Dependability: non-icing air motor
- Versatile; inlet and outlet ports can be oriented to fit the installation/application
- Ease of service; diaphragms and air motor can be serviced with the pump installed without removal.

CF50 AODD Pump-CenterFlo Models Available

- ☐ **1120-037** CF50 Aluminum
- ☐ **1120-038** CF50 Polypropylene

CF50 AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 3/8" NPSM(F)
- 3.3. AODD Pump will have a fluid inlet port of 1" NPT(F) for 1120-037
- 3.4. AODD Pump will have a fluid outlet port of 1" NPT(F) for 1120-037
- 3.5. AODD Pump will have a fluid outlet port of of ANSI flange B16.5 150 lb for pumps 1120-038
- 3.6. AODD Pump will have a free flow of 53 gal/min (200 l/min) based on 100 psi (7 bar) air pressure
- 3.7. AODD Pump will have an operating air pressure of 22-102 psi (1.5-7 bar)
- 3.8. AODD Pump will have a maximum size of suspended solids of 1/8" (3.2 mm)
- 3.9 AODD Pump 1120-038 will have 1" NPT(F) flange kit included

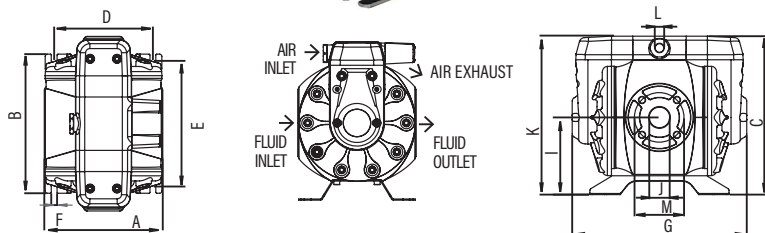
Materials

The wetted materials will consist of

- 4.1. PTFE (Teflon[®]), Polypropylene, Stainless Steel, Hytrel[®], FKM for 1120-037
- 4.2. Aluminum, Hytrel, Acetal, Buna-N[™], Stainless Steel for 1120-038

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.



Dimensions inches (MM)											
A	B	C	D	E	F*	G	I	J	K	L	M
10.39" (264 mm)	12.20" (310 mm)	13.90" (353 mm)	8.66" (220 mm)	11.02" (280 mm)	0.51"	15.35" (390 mm)	6.77" (172 mm)	1.5" (F)	12.87" (327 mm)	0.5" (F)	4.33**

* Diameter of the holes for fasteners in each of the four pump feet. ** ANSI B16.5 150 lb flange connection: 4 bolts - UNC 1/2" - 13 (3.87" between centers)

Anti-freeze (Glycol)
Light viscosity fluids
Windshield wash
solution
Synthetic and
mineral oil

CenterFlo pumps can handle a wide range of fluids used for vehicle service. Typical applications are high volume transferring, bulk fill, and evacuation up to 65 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps that include hose reels.

Markets Served

- Car and truck dealers
- Fleets
- Mining and construction
- Railroad and mass transit vehicles
- In-plant transfer
- Lube trucks

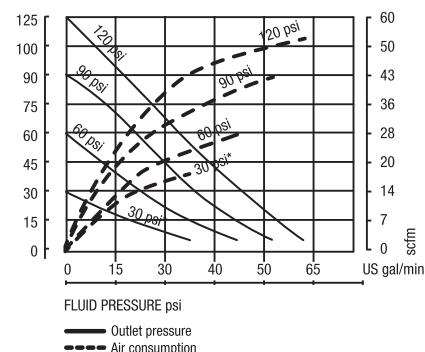
Pressure relief valve kit 3120-231 for this pump is recommended and not included.

TECHNICAL DATA	
Air inlet	1/2" NPSM(F)
Fluid inlet port	1 1/2" NPT(F) + ANSI flange B16.5 150 lb
Fluid outlet port	1 1/2" NPT(F) + ANSI flange B16.5 150 lb
Max. free flow	65 gal/min (250 l/min)
Air pressure range	22-102 psi (1.5-7 bar)
Solids in suspension	1/4" (6 mm)
Wetted Materials	Aluminum, Acetal, Buna-N™, and Stainless Steel
Recommended fluids	Anti-freeze (Glycol)
Recommended applications	Fluid dispensing, transfer, and evacuation
Service Bulletin	SB 1132

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

MODELS AVAILABLE	DESCRIPTION
1120-033	CF65 Diaphragm Pump
1120-039	CF65 Diaphragm Pump Buna-N™
3120-231	Pressure Relief for Diaphragm 1" NPT

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-033						
Aluminum	NPT threaded ports	Aluminum	Stainless Steel	Stainless Steel	Buna-N	Buna-N
1120-039						
Aluminum	NPT threaded ports	Aluminum	Stainless Steel	Stainless Steel	Buna-N	Buna-N



AODD

CenterFlo CF65

CF65 AODD Pump-CenterFlo Description

CenterFlo pumps can handle a wide range of fluids used for vehicle service.

Typical applications are high volume transferring, bulk fill, and evacuation up to 65 gal/min. They can be used as stand-alone pumps for transfer applications or as systems pumps that include hose reels.

CF65 AODD Pump-CenterFlo Models Available

- ☐ **1120-033** CF50 Aluminum
- ☐ **1120-039** CF50 Polypropylene

CF65 AODD Pump-CenterFlo Specifications

- 3.1. AODD Pump will have a 1:1 ratio
- 3.2. AODD Pump will have an air inlet port of 1/2" NPSM(F)
- 3.3. AODD Pump will have a fluid inlet port of 1 1/2" NPT(F) + ANSI flange B16.5 150 lb
- 3.4. AODD Pump will have a fluid outlet port of 1 1/2" NPT(F) + ANSI flange B16.5 150 lb
- 3.5. AODD Pump will have a free flow of 65 gal/min (250 l/mn) based on 100 psi (7 bar) air pressure
- 3.6. AODD Pump will have an operating air pressure of 22-102 psi (1.5-7 bar)
- 3.7. AODD Pump will have a maximum size of suspended solids of 1/4" (6 mm)

Materials

- 4.1. The wetted materials will consist of Aluminum, Acetal, Buna-N™, Stainless Steel

Warranty

- 5.1. The CenterFlo AODD pump will have a 1-year standard warranty on defects in materials and workmanship only.

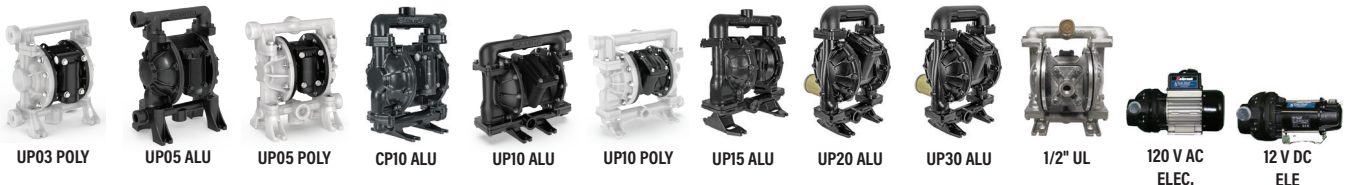


UP20 Pump Application

Diaphragm Pumps

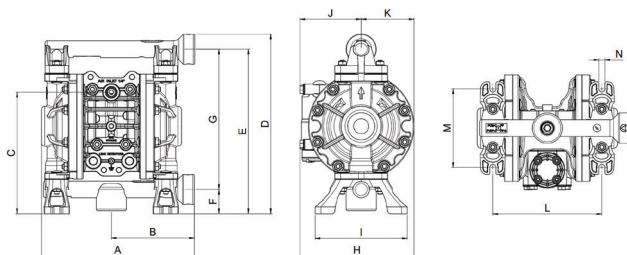
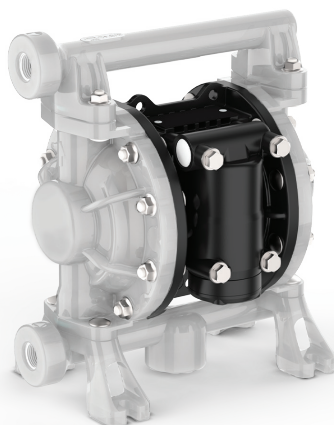
Product Selection Matrix

MAX. FREE FLOW	AIR INLET	FLUID IN / OUT	WETTED PARTS		RECOMMENDED FLUID TYPES	RECOMMENDED APPLICATIONS
			CHECK BALLS	DIAPHRAGM		
UP03 POLYPROPYLENE						
8.2 gal/min (3 l/min)	1/4" NPSM(F)	3/8" NPT(F)	PTFE	Santoprene	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP05 ALUMINUM						
13.5 gal/min (51 l/min)	1/4" NPSM(F)	1/2" NPT(F)	Hytrel®	Hytrel®	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP05 POLYPROPYLENE						
14.3 gal/min (54l/min)	1/4" NPSM(F)	1/2" NPT(F)	Santoprene	Santoprene	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
CP10 ALUMINUM						
14.3 gal/min (54l/min)	1/2" NPSM(F)	1" NPT(F)	Hytrel®	Hytrel®	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP10 ALUMINUM						
53 gal/min (200 l/min)	1/2" NPSM(F)	1" NPT(F)	Hytrel®	Hytrel®	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP10 POLYPROPYLENE						
53 gal/min (200 l/min)	1/2" NPSM(F)	1" NPT(F)	Santoprene	Santoprene	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP15 ALUMINUM						
35 gal/min (130 l/min)	3/8" NPSM(F)	1 1/2" NPT(F)	Hytrel®	Hytrel®	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP20 ALUMINUM						
170 gal/min (650 l/min)	3/4" NPSM(F)	2" NPT(F)	Hytrel®	Hytrel®	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
UP30 ALUMINUM						
265 gal/min (1000 l/min)	3/4" NPSM(F)	3" NPT(F)	Buna-N	Buna-N	Light viscosity fluids synthetic, mineral, oils, used oil, and anti-freeze	Fluid dispensing, transfer, and evacuation
CONVENTIONAL UL ALUMINUM						
45 gal/min (170l/min)	1/2" NPT(F)	1" NPT(F)	Nitrile	Nitrile	Light viscosity fluids synthetic, mineral, oils, used oil, and diesel	Fluid dispensing, transfer, and evacuation
ELECTRIC DIAPHRAGM						
8.5 gal/min (32.18l/min)	-	1" BSPP(M)	-	Stainless Steel, Viton®, PPE	Anti-freeze (Glycol), windshield wash solution and DEF	Fluid dispensing, transfer, and evacuation
9.5 gal/min (34.07l/min)	-	1" BSPP(M)	-	Stainless Steel, Viton®, PPE	Anti-freeze (Glycol), windshield wash solution and DEF	Fluid dispensing, transfer, and evacuation



AODD Pivot Series UP03

PIVOT
S E R I E S
UNIVERSAL DESIGN



Dimensions inches (MM)							
A	B	C	D	E	F	G	
7.95" (202 mm)	4.33" (110 mm)	6.34" (161 mm)	9.33" (237 mm)	8.54" (217 mm)	1.26" (32 mm)	7.28" (185 mm)	
H	I	J	K	L	M	N	O
5.95" (151 mm)	4.80" (122 mm)	3.19" (81 mm)	2.76" (70 mm)	5.71" (145 mm)	4.09" (104 mm)	6.18" (157 mm)	0.32" (8 mm)

TECHNICAL DATA	
Air inlet	1/4" NPT(F)
Fluid inlet port	3/8" NPT(F)
Fluid outlet port	3/8" NPT(F)
Max. free flow	8.2 US gal/min (31 l/min)
Air pressure range	20 to 100 psi (1.5 to 7 bar)
Solids in suspension	1/16" (1.6 mm)
Wetted Materials	Refer to materials table at the bottom of the page
Recommended Fluids	Anti-freeze (Glycol), windshield wash solution, lubricants, hydraulic oil
Recommended Applications	Small volume transfer, de-watting and fluid evacuation
Service Bulletin	SB 1208

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point.
Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-050 UP03B-NPS-PTA						
B= Polypropylene	N= NPT threaded ports	P= Poly	S= Stainless Steel	P= Poly	T= PTFE	A= Santoprene

Anti-freeze (Glycol) Windshield wash solution Synthetic and mineral oil

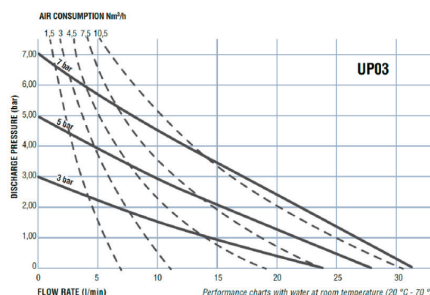
The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP03 Pivot Series pump transfers fluid up to 8 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Markets Served

- Car and Truck Dealerships
- Mining and Construction
- Fleets
- In Plant Transfer
- Lube Trucks
- Agriculture / Farm Implement

MODELS AVAILABLE	DESCRIPTION
1120-050	3/8" Diaphragm Pump Polypropylene UP03B-NPS-PTA



Pivot Series UP03 Pump Description

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP03 Pivot Series pump transfers fluid up to 8 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP03 Pump Models Available

- ❑ **1120-050** 3/8" Diaphragm Pump Polypropylene UP03B-NPS-PTA

Pivot Series UP03 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 1/4" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 3/8" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 3/8" NPT(F)
- 3.4. AODD Pump will have a free flow of 8.2 US gal/min (31 l/min) based on 100 psi (7 bar) air pressure
- 3.5. AODD Pump will have an operating air pressure of 20 to 100 psi (1.5 to 7 bar)
- 3.6. AODD Pump will have a maximum size of suspended solids of 1/16" (1.6 mm)

Materials

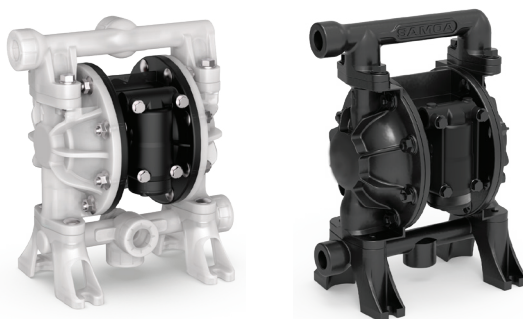
- 4.1. The wetted materials will consist of P= Poly, T= PTFE, A= Santoprene

Warranty

- 5.1. The Pivot Series UP03 Pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD Pivot Series UP05

PIVOT
S E R I E S
UNIVERSAL DESIGN



**Anti-freeze (Glycol)
Windshield wash
solution
Synthetic and
mineral oil**

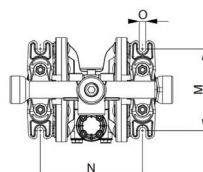
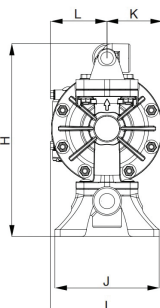
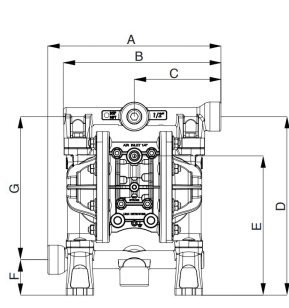
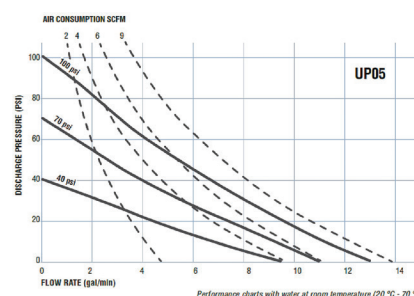
The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP05 Pivot Series pump transfers fluid up to 14 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Markets Served

- Car and Truck Dealerships
- Mining and Construction
- Fleets
- In Plant Transfer
- Lube Trucks
- Agriculture / Farm Implement

MODELS AVAILABLE	DESCRIPTION
1120-046	1/2" Diaphragm Pump Aluminium UP05A-NAC-AHC
1120-047	1/2" Diaphragm Pump Polypropylene UP05B-NPS-PMA
1120-052	1/2" Diaphragm Pump Conductive Polypropylene UP05B-BPS-PMA (DEF)



Dimensions inches (MM)						
A	B	C	D	E	F	G
9.84" (250 mm)	8.98" (228 mm)	4.92" (125 mm)	10.12" (257 mm)	7.87" (200 mm)	2.01" (51 mm)	8.11" (206 mm)

H	I	J	K	L	M	N	O
10.95" (278 mm)	6.34" (161 mm)	5.91" (150 mm)	3.15" (80 mm)	3.19" (81 mm)	4.92" (125 mm)	6.18" (157 mm)	0.39" (10 mm)

TECHNICAL DATA			
	1120-046	1120-047	1120-052
Air inlet	1/4" NPT(F)	1/4" NPT(F)	1/4" NPT(F)
Fluid inlet port	1/2" NPT(F)	1/2" NPT(F)	1/2" NPT(F)
Fluid outlet port	1/2" NPT(F)	1/2" NPT(F)	1/2" NPT(F)
Max. free flow	13.5 gal/min (51 l/min)	14.3 gal/min (54 l/min)	14.3 gal/min (54 l/min)
Air pressure range	20 to 100 psi (1.5 to 7 bar)	20 to 120 psi (1.5 to 8 bar)	20 to 100 psi (1.5 to 7 bar)
Solids in suspension	3/32" (2.5 mm)	3/32" (2.5 mm)	3/32" (2.5 mm)
Wetted Materials	Refer to materials table at the bottom of the page		
Recommended Fluids	Anti-freeze (Glycol), lubricants, used fluid and hydraulic oil	Anti-freeze (Glycol), windshield wash solution, lubricants, used fluid, and hydraulic oil	Anti-freeze (Glycol), windshield wash solution, lubricants, used fluid, and hydraulic oil
Recommended Applications	Medium volume transfer, de-watting and fluid evacuation		
Service Bulletin	SB 1211		

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-046 UP05A-NAC-AHC						
A= Aluminum	N= NPT threaded ports	A= Aluminum	C=Carbon Steel	A=Aluminum	H=Hytrell	C=Hytrell
1120-047 UP05B-NPS-PMA						
B= Polypropylene	N= NPT threaded ports	P= Polypropylene	S= Stainless Steel	P= Polypropylene	M= Santoprene	A= Santoprene
1120-052 UP05B-NPS-PMA						
B = Conductive Polypropylene	B = 1/2" BSP(F) threaded ports	P= Polypropylene	S= Stainless Steel	P= Polypropylene	Santoprene	Santoprene

Pivot Series UP05 Pump Description

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP05 Pivot Series pump transfers fluid up to 14 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP05 Pump Models Available

- ☐ **1120-046** 1/2" Diaphragm Pump Aluminium UP05A-NAC-AHC
- ☐ **1120-047** 1/2" Diaphragm Pump Polypropylene UP05B-NPS-PMA
- ☐ **1120-052** 1/2" Diaphragm Pump Conductive Polypropylene UP05B-BPS-PMA (DEF)

Pivot Series UP05 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 1/4" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 1/2" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 1/2" NPT(F)
- 3.4. AODD Pump 1120-046 will have a free flow of 13.5 gal/min (51 l/min) based on 100 psi (7 bar) air pressure
- 3.5. AODD Pump 1120-047 will have a free flow of 14.3 gal/min (54 l/min) based on 120 psi (8 bar) air pressure
- 3.6. AODD Pump 1120-052 will have a free flow of 14.3 gal/min (54 l/min) based on 120 psi (8 bar) air pressure
- 3.7. AODD Pump 1120-046 will have an operating air pressure of 20 to 100 psi (1.5 to 7 bar)
- 3.8. AODD Pump 1120-047 will have an operating air pressure of 20 to 120 psi (1.5 to 8 bar)
- 3.9. AODD Pump 1120-052 will have an operating air pressure of 20 to 100 psi (1.5 to 7 bar)
- 4.0. AODD Pump will have a maximum size of suspended solids of 3/32" (2.5 mm)

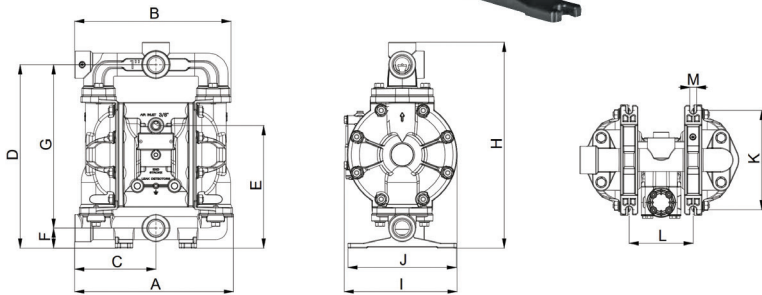
Materials

- 4.1. 1120-046 - The wetted materials will consist of A=Aluminum, H=Hytrel, C=Hytrel
- 4.2. 1120-047 - The wetted materials will consist of P= Polypropylene, M= Santoprene, A= Santoprene
- 4.3. 1120-052 - The wetted materials will consist of P= Polypropylene, Santoprene, Santoprene

Warranty

- 5.1. The Pivot Series UP05 Pump will have a 1-year standard warranty on defects in materials and workmanship only.

PIVOT
S E R I E S
UNIVERSAL DESIGN



Dimensions inches (MM)						
A	B	C	D	E	F	G
10.08 (256 MM)	9.92 (252 MM)	5.16 (131 MM)	11.61 (295 MM)	7.75 (197 MM)	1.26 (32 MM)	10.35 (263 MM)
H	I	J	K	L	M	
13.03 (331 MM)	7.16 (182 MM)	6.89 (175 MM)	6.25 (159 MM)	4.05 (103 MM)	.39 (10 MM)	

TECHNICAL DATA	
Air inlet	3/8" NPT(F)
Fluid inlet port	1" NPT(F)
Fluid outlet port	1" NPT(F)
Max. free flow	35 gal/min (130l/min)
Air pressure range	20-120 psi (1.5-8 bar)
Solids in suspension	1/8" (3.2 mm)
Wetted Materials	Refer to materials table at the bottom of the page
Recommended Fluids	Anti-freeze (Glycol), lubricants, used oil, used fluids, and hydraulic oil
Recommended Applications	Medium to large volume transfer, de-watting and fluid evacuation
Service Bulletin	SB 1210

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point.
Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-049 UP15A-NAC-HHC						
A=Aluminum	N= NPT threaded ports	A=Aluminum	C=Carbon Steel	H=Hytrell®	H=Hytrell®	C=Hytrell®

**Anti-freeze (Glycol)
Windshield wash
solution
Used oil
Synthetic and
mineral oil**

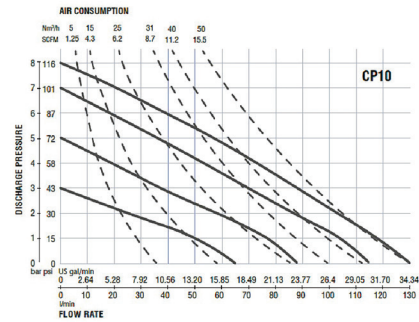
The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The CP10 Pivot Series pump has a Compact Design, reduced 3 3/4" from the traditional design and will transfer fluid up to 35 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Markets Served

- Car and Truck dealerships
- Mining and Construction
- Fleets
- Railroad and mass transit
- In plant transfer
- Lube Trucks
- Agriculture / Farm Implement

MODELS AVAILABLE	DESCRIPTION
1120-045	1" Diaphragm Pump Aluminum CP10A-NAC-HHC



Pivot Series CP10 Pump Description

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The CP10 Pivot Series pump has a Compact Design, reduced 3 ¾" from the traditional design and will transfer fluid up to 35 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series CP10 Pump Models Available

- ❑ **1120-045** 1" Diaphragm Pump Aluminum CP10A-NAC-HHC

Pivot Series CP10 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 3/8" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 1" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 1" NPT(F)
- 3.4. AODD Pump will have a free flow of 35 gal/min (130l/min) based on 120 psi (8 bar) air pressure
- 3.5. AODD Pump will have an operating air pressure of 20 to 120 psi (1.5 to 8 bar)
- 3.6. AODD Pump will have a maximum size of suspended solids of 1/8" (3.2 mm)

Materials

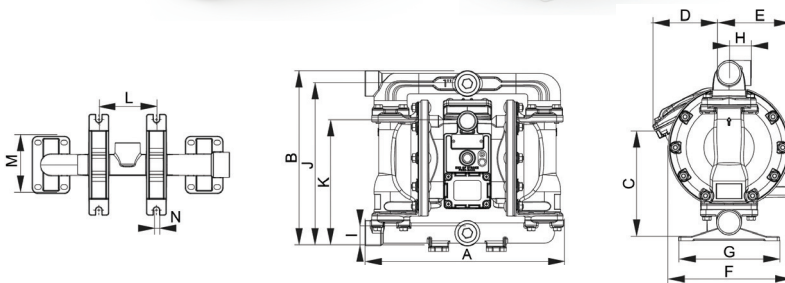
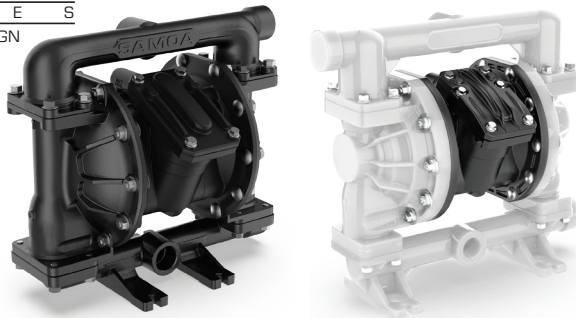
- 4.1. The wetted materials will consist of P= Poly, T= PTFE, A= Santoprene

Warranty

- 5.1. The Pivot Series CP10 Pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD Pivot Series UP10

PIVOT
S E R I E S
UNIVERSAL DESIGN



**Anti-freeze (Glycol)
Windshield wash
solution
Used oil
Synthetic and
mineral oil**

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP10 Pivot Series pump transfers fluid up to 53 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Markets Served

- Car and Truck dealerships
- Mining and Construction
- Fleets
- Railroad and mass transit
- In plant transfer
- Lube Trucks
- Agriculture / Farm Implement

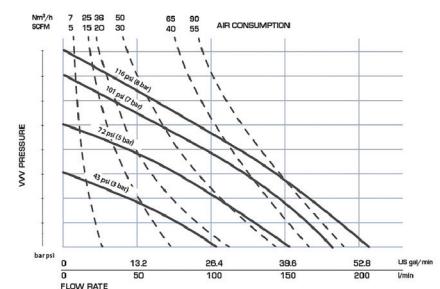
Dimensions inches (MM)						
A	B	C	D	E	F	G
13.70 (348 MM)	12.48 (317 MM)	8.43 (214 MM)	5.16 (131 MM)	4.17 (106 MM)	8.23 (209 MM)	6.97 (177 MM)
H	I	J	K	L	M	N
1.54 (39 MM)	1.26 (32 MM)	11.61 (295 MM)	9.33 (237 MM)	4.02 (102 MM)	6.26 (159 MM)	0.39 (10 MM)

TECHNICAL DATA		
	1120-044	1120-048
Air inlet	1/2" NPT(F)	1/2" NPT(F)
Fluid inlet port	1" NPT(F)	1" NPT(F)
Fluid outlet port	1" NPT(F)	1" NPT(F)
Max. free flow	53 gal/min (200 l/min)	53 gal/min (200 l/min)
Air pressure range	20-120 psi (1.5-8 bar)	20-120 psi (1.5-8 bar)
Solids in suspension	1/4" (6.4 mm)	1/4" (6.4 mm)
Wetted Materials	Refer to materials table at the bottom of the page	
Recommended Fluids	Anti-freeze (Glycol), lubricants, used oil, used fluids, and hydraulic oil	Anti-freeze (Glycol), windshield wash solution, lubricants, used oil, used fluids, and hydraulic oil
Recommended Applications	Medium to large volume transfer, de-watting and fluid evacuation	
Service Bulletin	SB 1156	

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point.
Contact Balcrank for additional information.

MODELS AVAILABLE	DESCRIPTION
1120-044	1" Diaphragm Pump Aluminum UPI0A-NAC-HHC
1120-048	1" Diaphragm Pump Polypropylene UPI0B-TPS-PMA

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-044 UPI0A-NAC-HHC						
A= Aluminum	N= NPT threaded ports	A= Aluminum	C=Carbon Steel	H=Hytrell	H=Hytrell	C=Hytrell
1120-048 UPI0B-TPS-PMA						
B= Polypropylene	N= NPT threaded ports-lateral	P= Polypropylene	S= Stainless Steel	P= Polypropylene	M= Santoprene	A= Santoprene



Pivot Series UP10 Pump Description

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP10 Pivot Series pump transfers fluid up to 53 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP10 Pump Models Available

- ☐ **1120-044** 1" Diaphragm Pump Aluminum UP10A-NAC-HHC
- ☐ **1120-048** 1" Diaphragm Pump Polypropylene UP10B-TPS-PMA

Pivot Series UP10 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 1/2" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 1" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 1" NPT(F)
- 3.4. AODD Pump will have a free flow of 53 gal/min (200 l/min) based on 120 psi (8 bar) air pressure
- 3.6. AODD Pump will have an operating air pressure of 20 to 120 psi (1.5 to 8 bar)
- 3.7. AODD Pump will have a maximum size of suspended solids of 1/4" (6.4 mm)

Materials

- 4.1. 1120-044 - The wetted materials will consist of H=Hytrel, C=Hytrel
- 4.1. 1120-048 - The wetted materials will consist of P= Polypropylene, M= Santoprene, A= Santoprene

Warranty

- 5.1. The Pivot Series UP10 Pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD Pivot Series UP15

PIVOT
S E R I E S
UNIVERSAL DESIGN



**Anti-freeze (Glycol)
Windshield wash
solution
Used oil
Synthetic and
mineral oil**

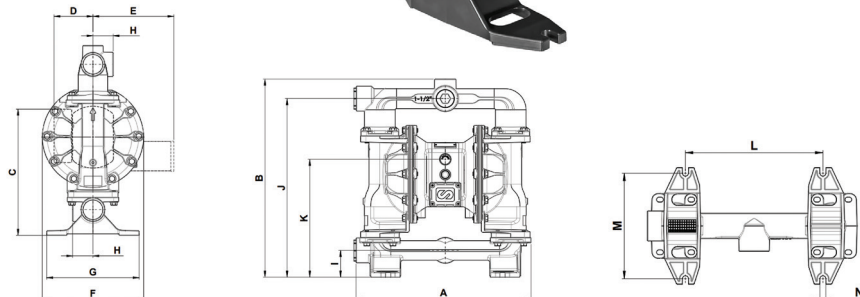
The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP15 Pivot Series pump transfers fluid up to 125 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Markets Served

- Car and Truck Dealerships
- Mining and Construction
- Fleets
- Railroad and Mass Transit
- In Plant Transfer
- Lube Trucks
- Agriculture / Farm Implement

Pumps AODD



Dimensions inches (MM)						
A	B	C	D	E	F	G
17.9 (455.5 MM)	20.4 (517.5 MM)	13.5 (344 MM)	4.2 (106 MM)	8.7 (220 MM)	10.9 (276 MM)	9.9 (252 MM)
H	I	J	K	L	M	N
2.2 (55 MM)	2.8 (70 MM)	18.4 (466.5 MM)	12.1 (308 MM)	11.8 (298.5 MM)	9 (228.6 MM)	0.5 (13 MM)

TECHNICAL DATA

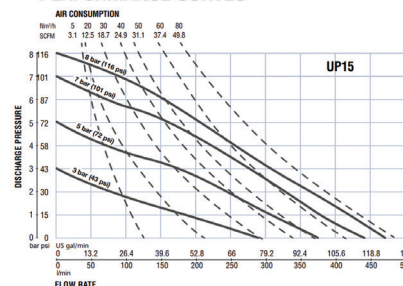
Air inlet	1/2" NPT(F)
Fluid inlet port	1-1/2" NPT(F)
Fluid outlet port	1-1/2" NPT(F)
Max. free flow	125 gal/min (470 l/min)
Air pressure range	22-120 psi (1.5-8 bar)
Solids in suspension	1/4" (6.4 mm)
Wetted Materials	Refer to materials table at the bottom of the page
Recommended Fluids	Anti-freeze (Glycol), lubricants, used oil, used fluids, and hydraulic oil
Recommended Applications	Very large volume transfer, de-watting and fluid evacuation
Service Bulletin	SB 1212

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-049 UP15A-NAC-HHC						
A=Aluminum	N = NPT threaded ports	A=Aluminum	C=Carbon Steel	H=Hytrell [®]	H=Hytrell [®]	C=Hytrell [®]

MODELS AVAILABLE	DESCRIPTION
1120-049	1-1/2" Diaphragm Pump Aluminum UP15A-NAC-HHC

PERFORMANCE CURVES



Pivot Series UP15 Pump Description

The Pivot Series combines a universal design with a unique frictionless Pivot-Shaft Air Valve to provide maximum performance and efficiency. This pump has been designed for simplified cleaning and maintenance and all Pivot Series pumps are designed for maximum fluid flow, and reduced air consumption.

The UP15 Pivot Series pump transfers fluid up to 125 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP15 Pump Models Available

- **1120-049** 1-1/2" Diaphragm Pump Aluminum UP15A-NAC-HHC

Pivot Series UP15 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 1/2" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 1-1/2" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 1-1/2" NPT(F)
- 3.4. AODD Pump will have a free flow of 125 gal/min (470 l/min) based on 120 psi (8 bar) air pressure
- 3.5. AODD Pump will have an operating air pressure of 22 to 120 psi (1.5 to 8 bar)
- 3.6. AODD Pump will have a maximum size of suspended solids of 1/4" (6.4 mm)

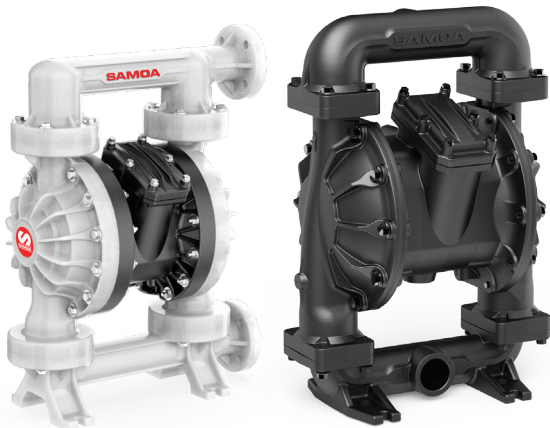
Materials

- 4.1. The wetted materials will consist of H=Hytrel®, C=Hytrel®

Warranty

- 5.1. The Pivot Series UP15 Pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD Pivot Series UP20

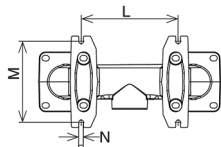
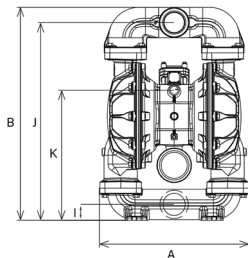
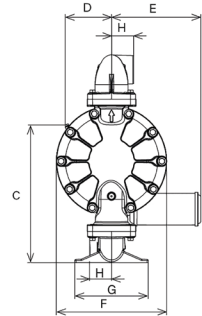


Anti-freeze (Glycol)
Windshield wash
solution
Used oil
Synthetic and
mineral oil

This Pivot Series pump is designed to handle a wide range of fluids in very large volume transfer and fluid evacuation applications.

The UP20 Pivot Series pump transfers fluid up to 170 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

- Markets Served
- Mining and construction
 - Railroad and mass transit vehicles
 - In-plant transfer
 - Agriculture/Farm implement
 - Lube trucks



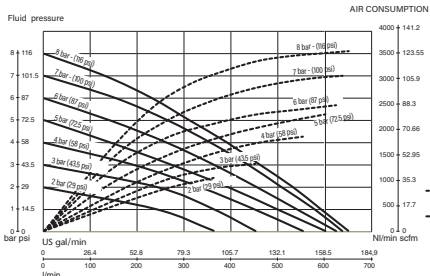
Dimensions inches (MM)						
A	B	C	D	E	F	G
18.3" (465 mm)	26.5" (673 mm)	18.9" (480 mm)	7.3" (185 mm)	13.9" (353 mm)	13.4" (340 mm)	10" (254 mm)
H	I	J	K	L	M	N
2.4" (61 mm)	1.9" (48 mm)	24.8" (630 mm)	17.3" (439 mm)	10.1" (307 mm)	9.1" (231 mm)	.06" (1.5 mm)

TECHNICAL DATA		
	1120-041	1120-051
Air inlet	3/4" NPT(F)	3/4" NPT(F)
Fluid inlet port	2" NPT(F)	2" Flanged
Fluid outlet port	2" NPT(F)	2" Flanged
Max. free flow	170 gal/min (650 l/min)	172 gal/min (650 l/min)
Air pressure range	20-120 psi (1.5-8 bar)	20-100 psi (1.5-7 bar)
Solids in suspension	1/4" (6.4 mm)	1/4" (6.4 mm)
Wetted Materials	Refer to materials table at the bottom of the page	Refer to materials table at the bottom of the page
Recommended Fluids	Anti-freeze (Glycol), lubricants, used oil, used fluids, and hydraulic oil	Anti-freeze (Glycol), lubricants, used oil, used fluids, and synthetic and mineral oil
Recommended Applications	Very large volume transfer, dewatering and fluid evacuation	Very large volume transfer, dewatering and fluid evacuation
Service Bulletin	SB 1206	

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-041 UP20A-NAC-HHC						
A=Aluminum	N=NPT threaded ports	A=Aluminum	C=Carbon Steel	H=Hytrell®	H=Hytrell®	C=Hytrell®
1120-051 UP20B-FPS-PHC						
B*=Conductive Polypropylene	F=Flanged Ports	P=Polypropylene	S=Stainless Steel	P=Polypropylene*	H=Hytrell®	C=Hytrell®

MODELS AVAILABLE	DESCRIPTION
1120-041	2" Diaphragm Pump Aluminum UP20A-NAC-HHC
1120-051	2" Diaphragm Pump Polypropylene UP20B-FPS-PHC



*Tested at room temperature, using water. Flooded pump with positive suction head.

AODD

Pivot Series UP20

Pivot Series UP20 Pump-TraditionalFlo Description

This Pivot Series pump is designed to handle a wide range of fluids in very large volume transfer and fluid evacuation applications.

The UP20 Pivot Series pump transfers fluid up to 170 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP20 Pump Models Available

- ☐ **1120-041** 2" Diaphragm Pump Aluminum UP20A-NAC-HHC
- ☐ **1120-051** 2" Diaphragm Pump Polypropylene UP20B-FPS-PHC

Pivot Series UP20 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 3/4" NPT(F)
- 3.2. AODD Pump 1120-041 will have a fluid inlet port of 2" NPT(F)
- 3.3. AODD Pump 1120-041 will have a fluid outlet port of 2" NPT(F)
- 3.4. AODD Pump 1120-051 will have a fluid inlet port of 2" Flanged
- 3.5. AODD Pump 1120-051 will have a fluid outlet port of 2" Flanged
- 3.6. AODD Pump will have a free flow of 170-172 gal/min (605 l/mn) based on 120 psi (8 bar) air pressure
- 3.7. AODD Pump 1120-041 will have an operating air pressure of 20-120 psi (1.5-8 bar)
- 3.8. AODD Pump 1120-051 will have an operating air pressure of 20-100 psi (1.5-7 bar)
- 3.9. AODD Pump will have a maximum size of suspended solids of 1/4" (6.4 mm)

Materials

- 4.1. The 1120-041 wetted materials will consist of Aluminum, Hytrel®, Viton®
- 4.2. The 1120-051 wetted materials will consist of Polypropylene, Hytrel®

Warranty

- 5.1. The Pivot Series UP20 pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD Pivot Series UP30

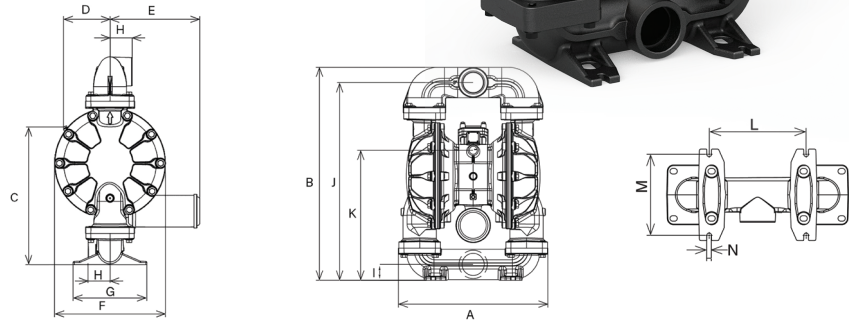


Anti-freeze (Glycol)
 Used oil
 Synthetic and
 mineral oil

This Pivot Series pump is designed to handle a wide range of fluids in very large volume transfer and fluid evacuation applications.

The UP30 Pivot Series pump transfers fluid up to 265 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

- Markets Served
- Mining and construction
 - Railroad and mass transit vehicles
 - In-plant transfer
 - Agriculture/Farm implement
 - Lube trucks



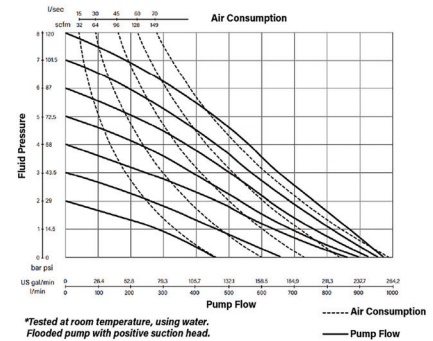
Dimensions inches (MM)						
A	B	C	D	E	F	G
22.6" (574mm)	32.3" (820 mm)	21.4" (544 mm)	7.2" (183 mm)	13.9" (353 mm)	17.2" (437 mm)	11.4" (290 mm)
H	I	J	K	L	M	N
3.4" (86 mm)	2.4" (61 mm)	30" (762 mm)	19.7" (500 mm)	12.1" (307 mm)	10.1" (256 mm)	.06" (1,5 mm)

TECHNICAL DATA	
Air inlet	3/4" NPT(F)
Fluid inlet port	3 " NPT(F)
Fluid outlet port	3 " NPT(F)
Max. free flow	265 gal/min (1000 l/min)
Air pressure range	20-120 psi (1.5-8 bar)
Solids in suspension	1/2" (12.7 mm)
Wetted Materials	Refer to materials table at the bottom of the page
Recommended Fluids	Anti-freeze (Glycol), lubricants, used oil, used fluids, and hydraulic oil
Recommended Applications	Very large volume transfer, de-waterring and fluid evacuation
Service Bulletin	SB 1207

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-042 UP30A-NAC-NNG						
A=Aluminum	N=NPT threaded ports	A=Aluminum	C=Carbon Steel	N = Nitrile (Buna-N)	N = Nitrile (Buna-N)	G= Nitrile (Buna-N)
1120-053 UP30A-NAC-HHC						
A=Aluminum	N=NPT threaded ports	A=Aluminum	C=Carbon Steel	H=Hytrel®	H=Hytrel®	C=Hytrel®

MODELS AVAILABLE	DESCRIPTION
1120-042	3" Diaphragm Pump Aluminum UP30A-NAC-NNG
1120-054	3" Diaphragm Pump Aluminum UP30A-NAC-HHC



AODD

Pivot Series UP30

Pivot Series UP30 Pump-TraditionalFlo Description

This Pivot Series pump is designed to handle a wide range of fluids in very large volume transfer and fluid evacuation applications.

The UP30 Pivot Series pump transfers fluid up to 265 gal/min. Combining a conventional flow design with a special pivoting air valve for increased reliability. This pump can be used as a stand-alone pump for transfer or as a system pump for fluid distribution.

Pivot Series UP30 Pump Models Available

- ☐ **1120-042** 3" Diaphragm Pump Aluminum UP30A-NAC-NNG
- ☐ **1120-054** 3" Diaphragm Pump Aluminum UP30A-NAC-HHC

Pivot Series UP30 Pump Specifications

- 3.1. AODD Pump will have an air inlet port of 3/4" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 3 " NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 3 " NPT(F)
- 3.4. AODD Pump will have a free flow of 265 gal/min (1000 l/min) based on 120 psi (8 bar) air pressure
- 3.5. AODD Pump will have an operating air pressure of 20-120 psi (1.5-8 bar)
- 3.6. AODD Pump will have a maximum size of suspended solids of 1/2" (12.7 mm)

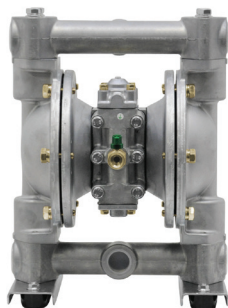
Materials

- 4.1. The 1120-042 wetted materials will consist of N = Nitrile (Buna-N), G= Nitrile (Buna-N)
- 4.2. The 1120-054 wetted materials will consist of H=Hytrel®, C=Hytrel®

Warranty

- 5.1. The Pivot Series UP30 pump will have a 1-year standard warranty on defects in materials and workmanship only.

AODD 1" UL Aluminum 46 gal/min



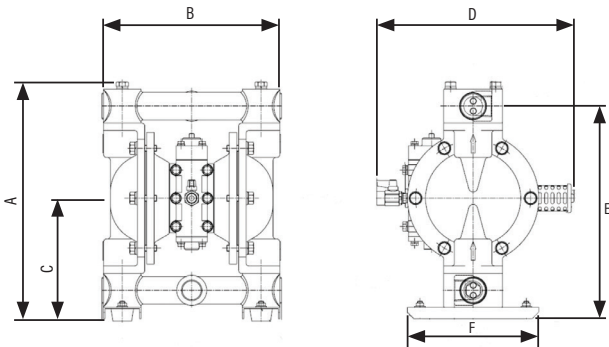
Light viscosity fluids
Synthetic and mineral oils
Diesel fuel
Used fluids

This conventional pumps may be used as stand-alone pumps for transfer applications or as system pumps that include hose reels.

Model 1120-015Y is UL79 listed for pumping: Diesel Fuel, No. 4 Fuel Oils (or lighter), Motor Oil, Kerosene, and Water.

Markets Served

- Car and truck dealers
- Fleets
- Construction
- Mass transit vehicles
- In-plant transfer
- Lube trucks



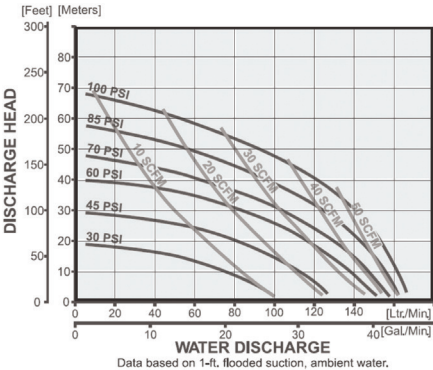
Dimensions inches (MM)					
A	B	C	D	E	F
15.04" (382 mm)	11.30" (260 mm)	7.72" (196 mm)	12.48" (317 mm)	15.04" (382 mm)	8.27" (210 mm)

TECHNICAL DATA	
Air inlet	3/8" NPT(F)
Fluid inlet port	1" NPT(F)
Fluid outlet port	1" NPT(F)
Max. free flow	46.2 gal/min (175 l/min)
Air pressure range	20 -100 psi (1.4-6.8 bar)
Wetted Materials	Refer to materials table at the bottom of the page
Recommended fluids	Light viscosity fluids synthetic, mineral oils, and anti-freeze
Recommended applications	Fluid dispensing, transfer, and evacuation.
Service Bulletin	SB ----

** Balcrank does not recommend pumping windshield wash or any other fluid below 100° flash point. Contact Balcrank for additional information.

MODELS AVAILABLE	DESCRIPTION
1120-015Y	1" UL Aluminum AODD Pump

AIR MOTOR	HOUSINGS			WETTED PARTS		
Central Body & Air Chambers	Fluid Ports / Location Multiport manifolds: central and lateral	Fluid Chambers & Manifolds	Hardware Bolts & Inserts	Valve Seats	Valve Balls	Diaphragms Type & Material
1120-015Y						
A = Aluminum	N = 1" NPT threaded ports	A = Aluminum	C = Carbon Steel	N = Nitrile	N = Nitrile	Z = PTFE



AODD

1" UL Aluminum 46 gal/min

1" UL Aluminum 46 gal/min Description

These conventional pumps may be used as stand-alone pumps for transfer applications or as system pumps that include hose reels.

Model 1120-015Y is UL79 listed for pumping: Diesel Fuel, No. 4 Fuel Oils (or lighter), Motor Oil, Kerosene, and Water.

1" UL Aluminum 46 gal/min Models Available

- ☐ **1120-015Y** 1" UL Aluminum AODD Pump

1" UL Aluminum 46 gal/min Specifications

- 3.1. AODD Pump will have an air inlet port of 3/8" NPT(F)
- 3.2. AODD Pump will have a fluid inlet port of 1" NPT(F)
- 3.3. AODD Pump will have a fluid outlet port of 1" NPT(F)
- 3.4. AODD Pump will have a free flow of 46.2 gal/min (175 l/min) based on 100 psi (6.8 bar) air pressure
- 3.5. AODD Pump will have an operating air pressure of 20 -100 psi (1.4-6.8 bar)

Materials

- 4.1. The wetted materials will consist of N = Nitrile, Z = PTFE

Warranty

- 5.1. The 1" UL Aluminum 46 gal/min will have a 1-year standard warranty on defects in materials and workmanship only.