



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

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

