



# FCLCOD Diesel Fuel Conditioning Cart

Flow rate up to 22 gpm (83 lpm)

Extend the life of injectors and on-board fuel filters with high efficiency filtration ( $\beta_{5[C]} = 1000$ , achieve 15/13/10 ISO cleanliness codes)

Reduce free & emulsified water content (in #2 diesel) from 1000ppm - 150ppm in a single pass

Ideal for mining & construction fueling depots, tank farms, conditioning stand-by diesel reservoirs and on-board fuel tanks

Condition fuel during bulk tank fill, service truck filling or as kidney loop to maintain clean & dry fuel

## Materials of Construction

Assembly Frame: Painted Steel  
Wheels: Rubber (solid, non-shredding)  
Filter Assembly: Epoxy coated steel  
25 or 50 psid bypass available  
True differential pressure indicator  
Hoses: Reinforced synthetic  
Wands: Steel

## Fluid Compatibility

Diesel fuel #2, call for compatibility with other fuels.

## Weight

FCLCOD1: 350 Lbs (159 kg) approximate  
FCLCOD2: 360 Lbs (164 kg) approximate  
FCLCOD3: 430 Lbs (195 kg) approximate

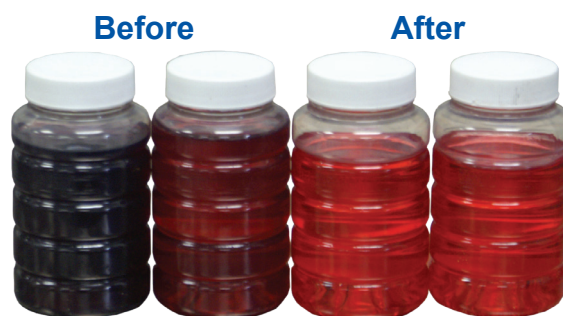
## Pump Specifications

Gear pump  
Internal relief full flow @ 100 psi standard.

## Why is Diesel Fuel Cleanliness Important?

Today's sophisticated (expensive) electronic fuel injectors have increased pressures from 3,000 psi to 30,000 psi. Engine manufacturers have learned that ultra fine particles at higher pressures are causing premature failures, decreasing fuel injector and pump life while increasing unplanned downtime and lost production.

Water contamination in ULSD fuels lead to accelerated microbial growth and contributes to combustion engine failure and fuel efficiency loss.



## FCLCOD

Table 1

Flow Rate
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Table 2

Power
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Table 3

Seal
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Table 4

Hoses
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Table 5

Special Options
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Table 1	Flow Rate
Code	
1	5 gpm (18 lpm)
2	10 gpm (37 lpm)
3*	22 gpm (83 lpm)

\*Requires 220 / 230 VAC 1P electrical service

Table 3	Seal Material
Code	
V	Viton® (Standard)
E	EPR

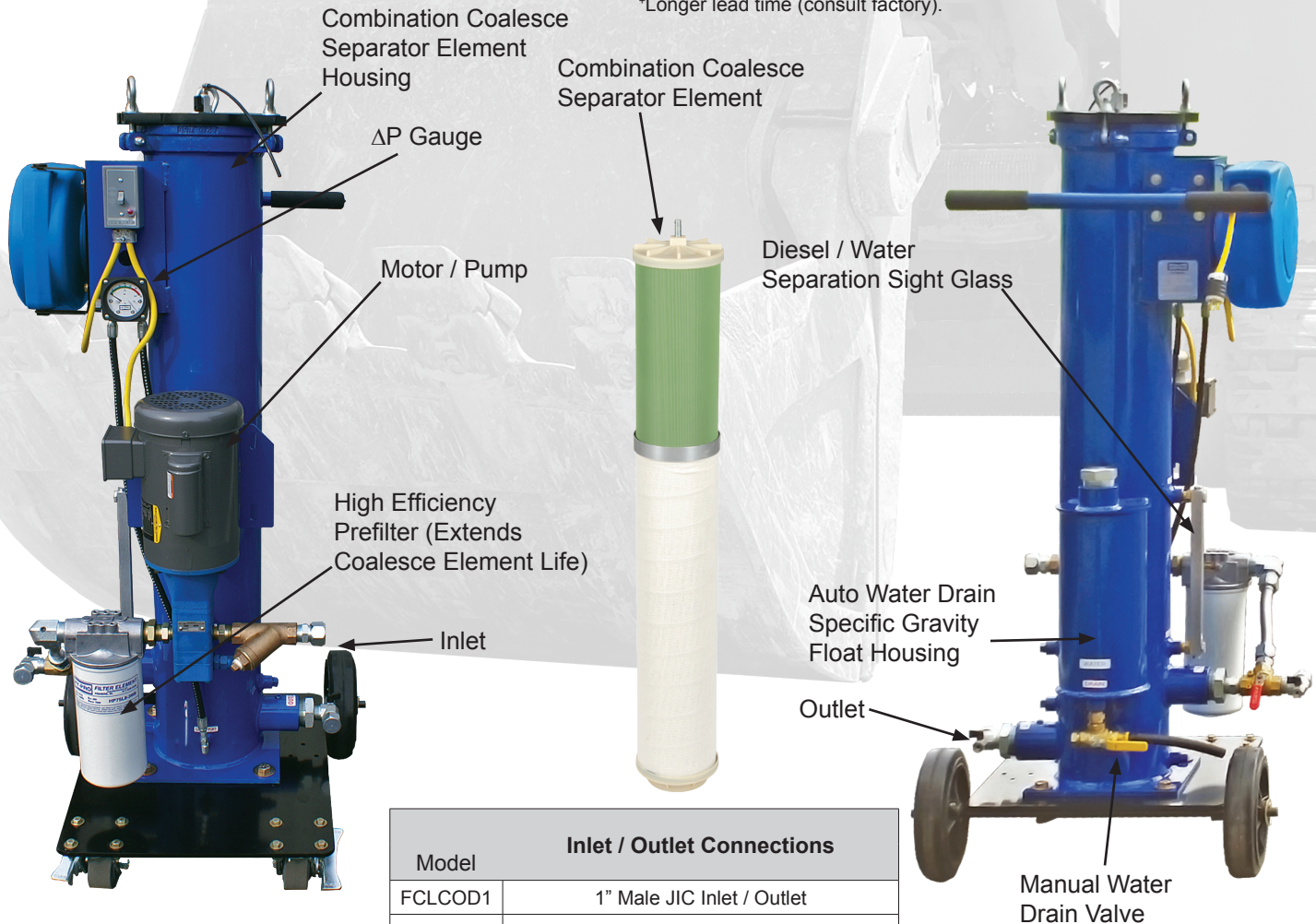
Table 4	Hose Arrangement
Code	
W	Female JIC swivel hose ends with steel wands
S	Female JIC swivel hose ends (No Wands)
G	Female BSPP swivel hose ends (No Wands)

\*Extension hoses are available in 10' (3048mm) lengths, not recommended for suction line without positive head.

Table 2	Power Options
Code	
Omit (Standard)	115 VAC, 60Hz, 1P (1750 RPM Motor)
E1	120 VAC, 50Hz, 1P (1450 RPM Motor)
E2	230 VAC, 60Hz, 1P (1750 RPM Motor)
E3	230 VAC, 50Hz, 1P (1450 RPM Motor)
E4	24 VDC (Consult factory for application)
E5	440-480 VAC, 60Hz, 3P (1750 RPM Motor)
E6	380-420 VAC, 50Hz, 3P (1450 RPM Motor)
E7	575 VAC, 60Hz, 3P (1750 RPM Motor)

Table 5	Special Options
Code	
A+	Auto water drain (manual drain included)
C	CE mark
D+	High element $\Delta P$ shut-off with indicator light (coalesce vessel only, 22 $\Delta P$ psid).
H1*	Return-line only hose extension (10', 3 meters)
H2*	Return-line only hose extension (20', 6 meters)
K	149m wire mesh spin-on pump suction strainer
L+	Coalesce element high differential pressure indicator light
T	Large foam filled rubber tires

\*Longer lead time (consult factory).



Model	Inlet / Outlet Connections
FCLCOD1	1" Male JIC Inlet / Outlet
FCLCOD2	1.25" Male JIC Inlet / 1" Male JIC Outlet
FCLCOD3	1.5" Male JIC Inlet / 1.25" Male JIC Outlet

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