

# Norman Filtration Systems



**NORMAN FILTER COMPANY, L.L.C.**

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**ISO 9001:2000 CERTIFIED**

**sales@normanfilters.com**

# NORMAN FILTER CART



## Quality That Won't Cost You More

When every dollar counts, it's good to know that Norman meets all of your requirements at a price nobody can match, feature for feature, dollar for dollar.

Norman Filter Company's off-line filtration units are designed to filter your hydraulic and lube oils during oil transfer or as a kidney loop process.

It is common to find contaminants ranging from water to particulate in new shipments of oil. On average seven grams of particulate contamination is found in every 100 gallons of new barreled oil. In most cases the oil in your system is at a higher cleanliness level than the oil you receive from your supplier.

The Norman Filtration Systems are ideal for filtering particulate and water contaminant's found in new oil and oil found in existing hydraulic and lube oil systems.

By not removing these contaminants, critical components are often damaged leading to expensive repairs or replacements and down-time.

## FEATURES & BENEFITS

- 5 & 11 GPM Flow Capacities
- Two Filters:  
Longer Filter Life  
Two Stage Filtration  
Clean, Easy Filter Change-Out
- Filtration Down to 1 Micron Absolute
- Water Absorbing Elements
- Industrial Quality Gear Pump
- Heavy Duty Cart with Drip Pan
- Pump Safety Relief Valve
- "Y" Strainer on Pump Inlet
- 12' Long Hose Assemblies
- Easy to Read Pressure Gauges

## SPECIFICATIONS

### INDUSTRIAL GRADE GEAR PUMP:

NEF05: 5.3 GPM

NEF11: 11 GPM

### ELECTRIC MOTOR:

NEF05: 1/2 HP @ 1725 RPM. 1.15 S.F., TEFC

NEF11: 3/4 HP @ 1725 RPM. 1.15 S.F., TEFC

### ELECTRIC SERVICE REQUIRED:

115 Volts, 10 Amps, Single Phase, 60 HRZ

### POWER CORD:

12' Long Industrial Cord (14-3) With Standard 3-Prong Plug

### ON/OFF SWITCH:

Industrial Toggle-Operated Motor Starter Mounted in a NEMA-1 Housing with Replaceable Motor Overloads.

### PUMP RELIEF SETTING:

60 PSIG Fixed

### FILTER BY-PASS SETTING:

Set @ 25 PSID on Both Primary and Secondary Stage.

### FILTER CART HOSES:

12' Long Steel Wire Reinforced PVC Hoses With 3' Long Metal Wands.

### FLUIDS:

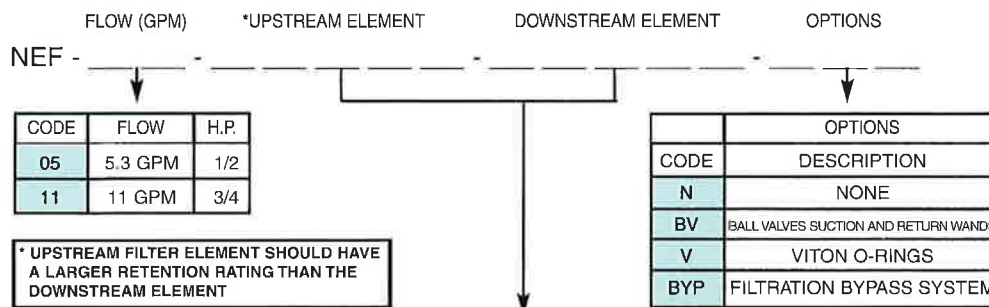
Petroleum Based (500 SUS Maximum)  
For other fluids contact factory.

### WEIGHT:

125 LBS.

145 LBS. (Approximate Shipping Weight)

## HOW TO ORDER



## FILTER ELEMENT OPTIONS

Part Number	601M	603	603AQ	603M	606M	610	610AQ	610AQM	612M	625	625M	6100
Length	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Mtg. Thread	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16
Micron Rating	1 ABS	3	3	3 ABS	6 ABS	10	10	10 ABS	12 ABS	25	25 ABS	141
Media Sq. Inches	1195	1269	648	—	—	1052	648	641	1041	1227	1246	330
DHC*	20	32	40	32	71	50	47	59	90	130	138	63
WHC**	—	—	29	—	—	—	29	27	—	—	—	—
Case Qty.	6	6	6	6	6	6	6	6	6	6	6	6

\*Dirt Holding Capacity  
(Grams)

\*\*Water Holding Capacity  
(Ounces)



# FILTER PANEL



## FEATURES & BENEFITS

- 5 & 11 GPM Flow Capacities
- Two Filters:  
Longer Filter Life  
Two Stage Filtration  
Clean, Easy Filter Change-Out
- Filtration Down to 1 Micron Absolute
- Water Absorbing Elements
- Industrial Quality Gear Pump
- Heavy Duty Panel with Drip Pan
- Pump Safety Relief Valve
- "Y" Strainer on Pump Inlet
- Easy to Read Pressure Gauges
- Independent Kidney-Loop System:  
Filter changed-out without manufacturing down-time.

## Off-Line Filtration Efficient and Economical

Kidney-Loop filtration is considered to be one of the most efficient means of hydraulic and lube oil filtration.

When filtering your oils with a Norman Filter Panel you are processing your oil at a steady slow rate allowing for optimal filtration.

By using a combination of elements, both particulate and water contaminants can efficiently be removed from petroleum based oils.

## SPECIFICATIONS

### INDUSTRIAL GRADE GEAR PUMP:

NEF05: 5.3 GPM  
NEF11: 11 GPM

### ELECTRIC MOTOR:

NEF05: 1/2 HP @ 1725 RPM. 1.15 S.F., TEFC  
NEF11: 3/4 HP @ 1725 RPM. 1.15 S.F., TEFC

### ELECTRIC SERVICE REQUIRED:

115 Volts, 10 Amps, Single Phase, 60 HRZ

### POWER CORD:

12' Long Industrial Cord (14-3) With Standard 3-Prong Plug

### ON/OFF SWITCH:

Industrial Toggle-Operated Motor Starter Mounted in a NEMA-1 Housing with Replaceable Motor Overloads.

### PUMP RELIEF SETTING:

60 PSIG Fixed.

### FILTER BY-PASS SETTING:

Set @ 25 PSID on Both Primary and Secondary Stage.

### FLUIDS:

Petroleum Based (500 SUS Maximum)  
For other fluids contact factory.

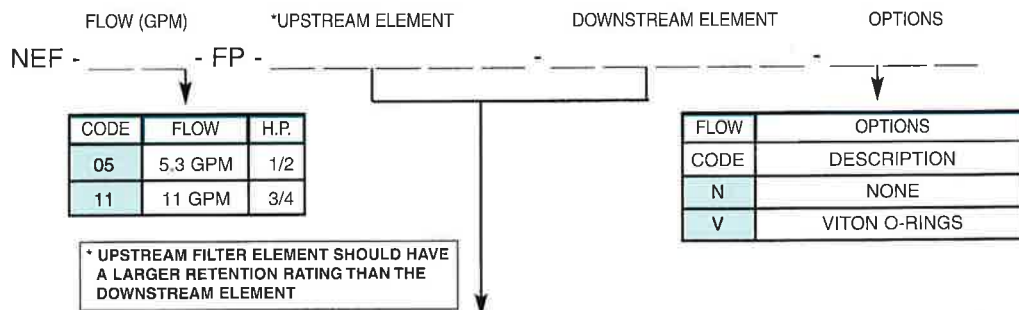
### WEIGHT:

95 LBS.  
115 LBS. (Approximate Shipping Weight)

### DIMENSIONS:

32" L x 18" H x 8" W

## HOW TO ORDER



## FILTER ELEMENT OPTIONS

Part Number	601M	603	603AQ	603M	606M	610	610AQ	610AQM	612M	625	625M	6100
Length	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Mtg. Thread	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16	1½-16
Micron Rating	1 ABS	3	3	3 ABS	6 ABS	10	10	10 ABS	12 ABS	25	25 ABS	141
Media Sq. Inches	1195	1269	648	—	—	1052	648	641	1041	1227	1246	330
DHC*	20	32	40	32	71	50	47	59	90	130	138	63
WHC**	—	—	29	—	—	—	29	27	—	—	—	—
Case Qty.	6	6	6	6	6	6	6	6	6	6	6	6

\* Dirt Holding Capacity  
(Grams)

\*\* Water Holding Capacity  
(Ounces)



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# NORMAN MIGHTY MIGHT



## FEATURES & BENEFITS

- Lightweight & Compact
- 4 GPM Flow Capacity
- Two Filters:
  - Longer Filter Life
  - Two Stage Filtration
  - Clean, Easy Filter Change-Out
- Filtration Down to 3 Micron Absolute
- Water Absorbing Elements
- Industrial Quality Vane Pump
- Heavy Duty Stainless Steel Frame
- Pump Safety Relief Valve
- Strainer on Inlet
- Easy to Read Pressure Gauges

## Portable Hand-Held Filtration System

The Mighty Might is a unique portable lightweight filtration system designed for those hard to reach areas.

The new dual element design allows for two stage filtration for numerous filtration options.

With the Mighty Might heavy duty stainless steel frame, industrial grade motor and pump it is ideal for most hydraulic and lube oil applications.

## SPECIFICATIONS

**INDUSTRIAL GRADE VANE PUMP:**  
4 GPM (100 SSU)

**ELECTRIC SERVICE REQUIRED:**  
115 Volts, 10 Amps, Single Phase, 60 HRZ

**FILTER BY-PASS VALVE SETTING:**  
Set @ 25 PSID on Both Primary and Secondary Stage.

**FLUIDS:**  
Petroleum based (500 SUS Maximum).  
For other fluids contact factory.

**POWER CORD:**  
6' Length

**WEIGHT:**  
29 LBS.  
35 LBS. (Approximate Shipping Weight)

**HOSE / WAND ASSEMBLY:**  
Two 6' Length 3/4" Vardex Hoses  
Two 18" PVC Wands, Adjustable to One 36" Wand

**ELECTRIC MOTOR:**  
Single Phase Motor, 1/2 HP 110/60 Hz.

**ON/OFF SWITCH:**  
Industrial Toggle-Operated Motor Starter.

**DIMENSIONS:**  
21" L x 12.5" H x 6.75" W

## HOW TO ORDER

\*UPSTREAM ELEMENT      DOWNSTREAM ELEMENT

MM4 -

\* UPSTREAM FILTER ELEMENT SHOULD HAVE A LARGER RETENTION RATING THAN THE DOWNSTREAM ELEMENT

## FILTER ELEMENT OPTIONS

Part Number	303	303M	310	310AQ	310M	325	325M	3100
Length	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Mtg. Thread	1-12	1-12	1-12	1-12	1-12	1-12	1-12	1-12
Micron Rating	3	3 ABS	10	10	10 ABS	25	25 ABS	141
Media Sq. Inches	611	679	550	175	600	560	580	91
DHC*	17.5	31	16	8.0	24	30	34	17.3
WHC**	—	—	—	8.0	—	—	—	—
Case Qty.	12	12	12	12	12	12	12	12

Part Number	403	403AQ	410	410M	425	425M	4100
Length	8.6	8.6	8.6	8.6	8.6	8.6	8.6
Mtg. Thread	1-12	1-12	1-12	1-12	1-12	1-12	1-12
Micron Rating	3	3	10	10 ABS	25	25 ABS	141
Media Sq. Inches	935	309	947	860	947	930	160
DHC*	36	18	37	50	60	55	31
WHC**	—	14	—	—	—	—	—
Case Qty.	12	12	12	12	12	12	12

\*Dirt Holding Capacity  
(Grams)

\*\*Water Holding Capacity  
(Ounces)



## NORMAN FILTER COMPANY, L.L.C.

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