

...for clean dry compressed air and gases
- Now available in Polyclear II®* Polyurethane Plastic -

The T-line Model F-T40C is a high tech 3 stage filter for compressed air and gases rated at 40 scfm at 100 psi.

The F-T40C **Beach** head (see illustration) (A) is the 1st stage offering mechanical separation of oil, water and particulate followed by the Coalescer (B). These two steps result in 80% of the filtration. The desiccant element (Step D) removes the balance of:

- All oil vapor & hydrocarbons
- Moisture
- Particulates down to 0.3 microns

Can be serviced in less than 7 minutes

UNIQUE FEATURES OF BEACH T-LINE FILTER:

- Can be serviced in one quarter of the time of ordinary filters.
- Coalescer is re-usable - clean in detergent and water
- Air and gases are filtered north to south ↓ through the coalescer - 3 to 5x residence time of the air in the coalescer vs. competitor's filter.
- Desiccant element is visible with color change and can be replaced by simply unscrewing the bowl.
- F-T40 head, bowl and coalescer are designed to give minimum pressure drop (see graph).
- Recommended Automatic Drain Valve - will extend element life

PLASTIC HOUSING

- F-T40C - Polyclear II®* of Rigid Polyurethane Thermo Plastic
- Maximum Pressure - 250 psi

Polyclear II®* filters have excellent resistance to synthetic compressor oils/lubricants, hydrocarbons, solvents, acids and other chemicals. Consult the Beach Chemical Compatibility Data and Typical Physical Properties chart for information.

Also Polyclear II®* filters can be used outdoors and offer excellent UV Resistance

Metal guards are available

REPLACEABLE ELEMENT

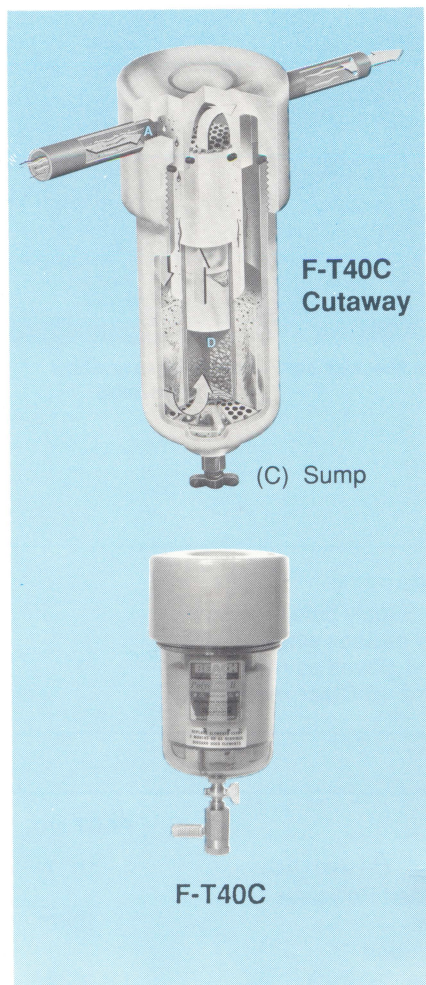
The Cylform®* replaceable filter element is a desiccant filled tube of Dacron®** polyester with filtration pads of Reemay®** polyester in the end caps, plus an extra particulate filtration pad sewn in the top cap. The patented design of the Cylform®* element eliminates channeling or bypass of air. Beach Cylform®* elements are available in:

- **Standard Cylform®* Desiccant** - for general use to remove all hydrocarbons, moisture and particulate down to 0.3 microns. "Always a good choice". Changes color.
- **Silica Gel** - removes trace amounts of moisture resulting in very low dew point. Color changes from blue to pink. Can be re-generated in an oven at 200-220° F for 1 1/2 to 2 hours.
- **Activated Carbon** - for odor removal and oil plus oil vapors.
- **Special Desiccants** - molecular sieve and other special desiccants on request.

Elements are packaged 2 per 4 mil polyethylene bag to ensure that they are free of contamination.

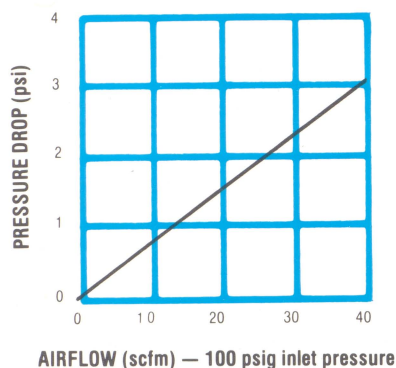
SPECIFICATIONS FOR THE MODEL F-T40C

Air Flow at 100 psi	40 scfm
Pressure drop at 40 scfm	2.8 psi
Maximum Working Pressure (Model F-T40C)	250 psi
Maximum Operating Temperature	180° F
Inlet and Outlet (Female)	1" - 11 NPT
Overall Length	9 1/2"
Maximum Width	6 1/8"
Maximum Diameter	6 1/8"
Number of Elements (Model EL125)	1
Filter Weight	5 lbs. 8 oz.
Shipping Weight	6 lbs. 13 oz.
Cleans Approx.	3,300,000 cu. ft.



(Shown with Mini Drain NDM2)

PRESSURE DROP VERSUS FLOW



* Trademark, Beach Filter Products, Inc.
** Trademark, E.I. DuPont Co.

Distributed By:

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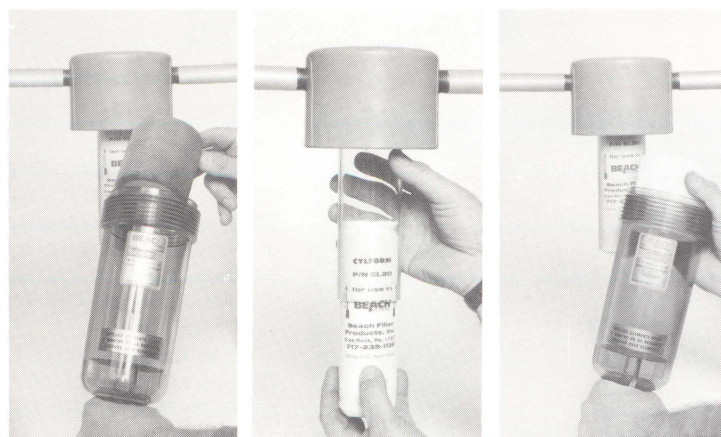
INSTALLATION and MAINTENANCE OF THE MODEL F-T40C

INSTALLATION AND MAINTENANCE

- Install filter in a vertical position (see diagram).
- Line from compressor is connected to inlet side of filter as marked.
- Use Teflon[®] Tape in making the two connections. Never use pipe dope on any filter part or connections.
- To prevent cracking filter head, when installing tapered pipe thread, do not overtighten
- Drain bowl via petcock every 24 hours or preferably install an Automatic Drain (NDM2). When installing auto-drain on bottom of bowl always use special adapter or petcock supplied only by Beach.
- Element should be **replaced every three months** or as conditions warrant.
- Never allow saturation (dark gray/brown color) to pass 3/4 point of element.

MAINTENANCE

- Turn off air supply.
- To replace element simply unscrew the filter bowl from the head by hand.
- Remove element from inner tube, clean tube in detergent and warm water, wipe dry with paper or shoptowels.
- Insert inner tube into filter making sure it is firm up into the top retaining 'O' ring and disc.
- Clean bowl, screen and coalescer/scrubber in detergent and warm water. Wipe dry with paper or shoptowels.
- Replace 'O' Rings on a periodic basis.
- Check bowl for any cracking or crazing - if visible, replace.
- Screw bowl with screen and scrubber in place, back into head.



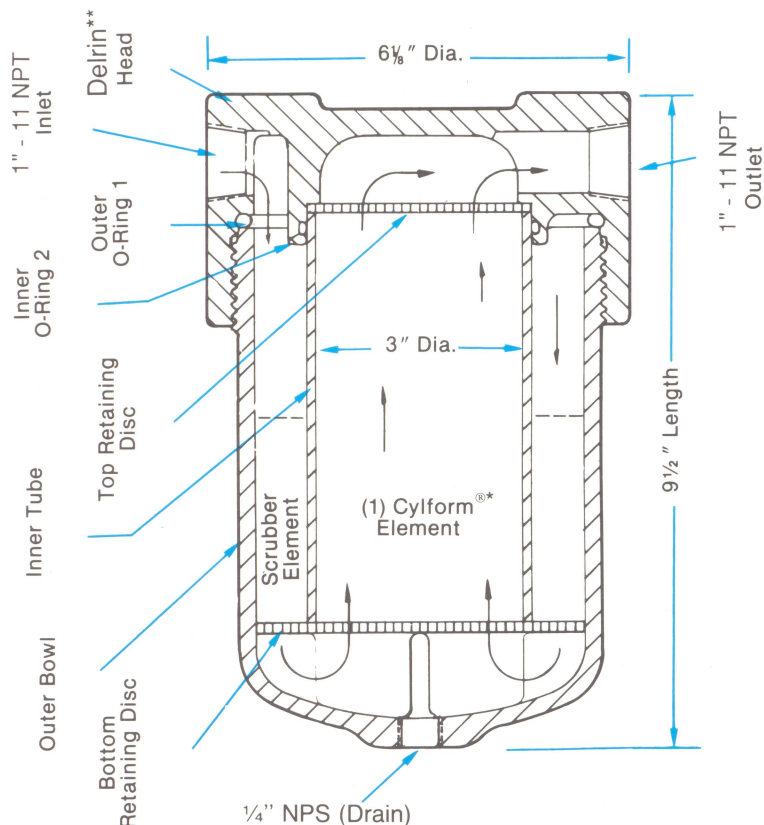
Remove bowl and dirty scrubber. Clean scrubber thoroughly with warm water and soap only.

Replace filter element.

Insert clean scrubber and reassemble.

SAFETY

- Turn off Air Supply before servicing.
- Wear safety glasses when servicing.
- Hard hat and gloves as required.
- **Install guard on Clear models.**



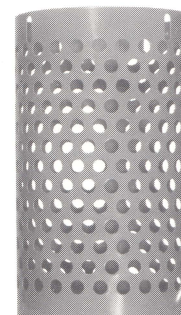
PART

PART NO.

DELIRIN [®] Head <i>Aluminum</i>	1037
Outer Bowl-Molded Polyclear II [®] polyurethane	1040I
Inner Tube, Extruded polycarbonate, 1/8" thick	1039A
Outer O-Ring Seal (1). Buna	LNO1
Inner O-Ring Seal (2). Buna	SNO2
Top Retaining Disc, Perforated PVC, 1/8" thick	1040A
Bottom Retaining Disc, Perforated PVC, 1/8" thick	1040B
3" Scrubber Element	S40C
When ordering a scrubber specify type bowl used- Delrin [®] or Polyclear II [®] .	
Cylform [®] Desiccant Element (1)	EL125
Drain Petcock	PCK1
Metal Guard (Recommended)	GT40
Mini Auto Drain	NDM2



MINI DRAIN



SAFETY GUARD