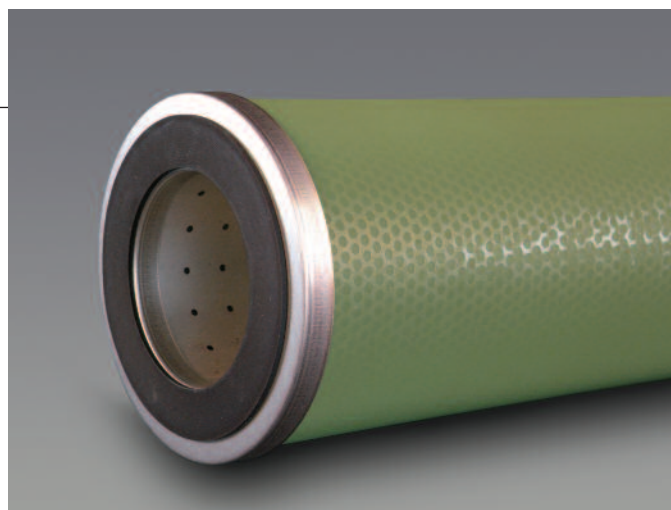


# InterPhase™ ST

## Teflon® Separators

InterPhase ST separators are used in conjunction with InterPhase liquid/liquid coalescers. The InterPhase ST is hydrophobic and repels water droplets that form while passing through the coalescers. They perform exceptionally well in a broad range of liquid applications. Teflon separators provide excellent chemical compatibility and can also be cleaned and reused many times.



### THE BOTTOM LINE

- The Right Choice for the Right Application**  
 Discovering the right filtration solution for your application will generally reduce overall costs associated with maintenance and operations. PECOFacet is continually working with customers to optimize separator performance. We manufacture the most diverse line of separators in different materials and configurations to fit your needs. In addition, we can develop special configurations to meet specific application requirements. Let one of our technically trained staff members assist you!
- Economical**  
 The InterPhase ST Teflon separators can be cleaned<sup>1</sup>, allowing for multiple reuse of the separators before having to buy new ones. This saves you money in separator change-out expenses.
- Continuous Length**  
 PECOFacet offers continuous length separators that can retrofit most commercially available fixed length separators. This eliminates the need for stacking separators, minimizes process downtime, reduces separator change-out costs and eliminates the risk of downstream equipment damage and off-spec product caused when contaminant bypasses the seal between stacked separators.
- Common Sizes and End Cap Styles**  
 Easy installation in existing vessels without modifications. Saves costly downtime and maintenance expenses associated with vessel modifications.
- Superior Performance and Reliability**  
 InterPhase ST separators out perform with outstanding consistency. Unlike cellulose separators they are not disarmed by chemicals and do not shred or tear as easily under stress. Eliminating these concerns reduces the risk of separator failure that can lead to extremely costly product, operations and maintenance issues.

### APPLICATIONS

- General Industrial**  
 chemicals, resins, solvents, hydraulic oils, lube oils
- Petroleum Refining**  
 hydrocarbon feed stocks, fuels, crude, condensates, distillates
- Pipelines and Petroleum Terminals**  
 diesel, gasoline, kerosene, LNG, LPG
- Power Generation**  
 turbine lube and hydraulic oil
- Pulp & Paper**  
 lube and hydraulic oil
- Electricity Transmission**  
 transformer oils

## SPECIFICATIONS

### MATERIALS

- MEDIA** Teflon coated screen
- CORE** steel (galvanized or tin plated)
- END CAPS** steel (galvanized or tin plated)
- GASKETS** buna-n
- OPTIONS** gasket materials, adhesives

### OPERATING DATA

| Max Temp. [F] | pH Range |
|---------------|----------|
| 240           | 5 - 9    |

- Recommended change-out DP is 15 psid**
- Normal flow direction is outside to inside**

### NOMINAL DIMENSIONS

| Model | O.D. [in.] | I.D. [in.] | Length [in.] |
|-------|------------|------------|--------------|
| ST611 | 6.0        | 3.5        | 11.25        |
| ST614 | 6.0        | 3.5        | 14.5         |
| ST616 | 6.0        | 3.5        | 16.25        |
| ST622 | 6.0        | 3.5        | 22.25        |
| ST629 | 6.0        | 3.5        | 28.75        |
| ST633 | 6.0        | 3.5        | 33.25        |
| ST636 | 6.0        | 3.5        | 36.00        |
| ST640 | 6.0        | 3.5        | 40.00        |
| ST644 | 6.0        | 3.5        | 44.00        |
| ST648 | 6.0        | 3.5        | 48.00        |
| ST656 | 6.0        | 3.5        | 56.00        |

### VESSELS

- Facet VCS, HCS, CFCS, FCS and VFCS Series
- PECO 110 Series
- Racor RVFS Series
- Velcon V, WV, and HV and HVS Series
- Other vessels manufactured to be compatible with Teflon® style separators.

### PARTICLE RETENTION

- **Grade [mesh]:** 200
- **Grade [µm]:** 74

### NOTES

1. Teflon® separators can be cleaned in accordance with PECOFacet procedures. Contact the factory for more information.

### REPLACEMENT OPTION FOR

- Filter-Fab
- Filter-Mart
- Jonell JST Series
- Kaydon/Keene
- Racor SP Series
- Royal RSC-XXX-TS Series
- Velcon SO Series
- Other

### ORDERING INFORMATION

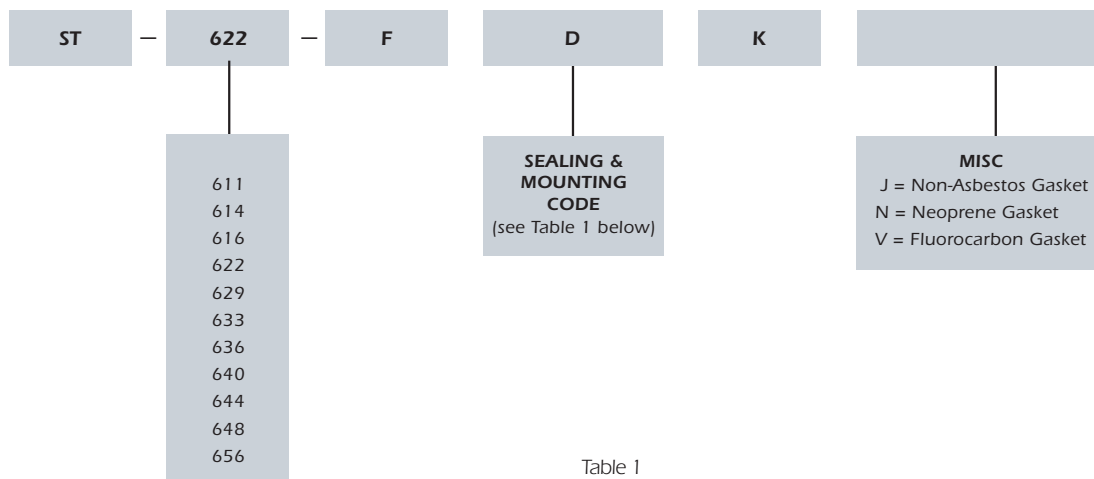


Table 1

### SEALING & MOUNTING END CONFIGURATIONS

| Designation Code | Inside Diameter |                |                  |                 |
|------------------|-----------------|----------------|------------------|-----------------|
|                  | Sealing End in. | Sealing End mm | Mounting End in. | Mounting End mm |
| B                | 17/32           | 13             | 3 1/2            | 89              |
| D                | 3 1/2           | 89             | 3 1/2            | 89              |

- Other sizes available on request.