FTC®

# PRODUCT SELECTION GUIDE

LIQUID / SOLIDS

GAS / LIQUID

GAS / SOLIDS

LIQUID / LIQUID

| LIQUID / SOLIDS FILTRATION | CLARIFY™ Liquid / Solids Cartridge Filtration | | | | |
|---|---|---|---|---|---|
| Product Series | CLARIFY 250 | CLARIFY 300 | CLARIFY 380 | CLARIFY 430 | CLARIFY 500 |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment<br>Food & Beverage | General Industrial<br>Oil & Gas<br>Chemical Production | Oil & Gas<br>Chemical Production<br>Water Treatment<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Water Treatment | Oil & Gas<br>Chemical Production<br>Water Treatment |
| Common Applications | Conventional filter used for solids filtration. Replaces standard 2.5" filter cartridges. | Pleated upgrade for industry standard 336 style filters. | High collapse differential pressure. Good element for viscous fluids. Replaces Pall MCC1401 style cartridge filters. | Ergonomic solids filter for many fluids including water, fuels, & chemicals. | Solids filter mostly used in fuels and chemicals. Replaces standard 5" OD filters. |
| Flow Direction | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside |
| Micron Ratings[1] | 0.5 - 150 micron | 0.5 - 150 micron | 0.5 - 150 micron | 0.5 - 150 micron | 0.5 - 150 micron |
| Standard Efficiency Rating | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% |
| Standard Media Material Options | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose |
| Hardware Options | Polypropylene<br>Acetal<br>Tinned Steel<br>304 SS<br>316 SS | Tinned Steel<br>304 SS | Tinned Steel<br>304 SS | Polypropylene<br>Acetal<br>Tinned Steel | Nylon 6,6<br>Tinned Steel |
| Diameter (inches) | 2.5" | 3.0" | 3.75" | 4.25" | 5.0" |
| Standard Lengths (inches) | 10", 19.5", 20", 29.25", 29.5", 29.75", 30", 40" | 36" | 40" | 40" | 40" |
| Recommended Flow Rate for Optimal Dirt Loading (gpm,$m^3$/hr) | 2.0 gpm per 10"<br>0.45 $m^3$/hr per 10" | 8 gpm<br>1.82 $m^3$/hr | 20 gpm<br>4.54 $m^3$/hr | 25 gpm<br>5.7 $m^3$/hr | 30 gpm<br>6.81 $m^3$/hr |
| Dirt Loading (lbs,grams)[1] | Up to 0.65 lbs per 10"<br>Up to 295 g per 10" | Up to 2.44 lbs<br>Up to 1,107 grams | Up to 4.07 lbs<br>Up to 1,846 grams | Up to 6.15 lbs<br>Up to 2,790 grams | Up to 6.00 lbs<br>Up to 2,722 grams |
| Surface Area ($ft^2$,$m^2$) | Up to 5.1 $ft^2$ per 10"<br>Up to 0.47 $m^2$ per 10" | Up to 18 $ft^2$<br>Up to 1.67 $m^2$ | Up to 44 $ft^2$<br>Up to 4.1 $m^2$ | Up to 45 $ft^2$<br>Up to 4.2 $m^2$ | Up to 60 $ft^2$<br>Up to 5.6 $m^2$ |
| Max Recommended Change-Out Differential | 35 PSID<br>2.5 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar |
| Max Recommended Differential Pressure | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar | 60 PSID<br>5.17 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar |
| Vessel Technology | Clarify™ | Clarify™ | Clarify™ | Clarify™ | Clarify™ |

[1] Based on FTC R&D Center Standard Test Procedures

Pall is a registered trademark of Pall Corporation.







| LIQUID / SOLIDS FILTRATION | CLARIFY™ Liquid / Solids Cartridge Filtration | | | | |
|---|---|---|---|---|---|
| Product Series | CLARIFY 740 Premium | CLARIFY 740 Platinum Select® | CLARIFY 740 Platinum Select® NSF/ANSI 61 Certified | CLARIFY 940 Platinum® | CLARIFY 2040 Platinum® |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment | Water Treatment<br>Food & Beverage | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment |
| Common Applications | More capacity than common deep pleat style 740 cartridges. Ideal for applications where cellulose media is required. Fits common 740 style filter vessels. | Most flexible cartridge filter available. Great fit for almost any solids filtration application. High efficiency and high solids loading capacity. Fits common 740 style filter vessels. | Filtration of potable or drinking water. | High solids capacity filter. Best for applications where high surface area in a small footprint is required. | Highest solids capacity filter. Best for applications where high surface area in a small footprint is required. |
| Flow Direction | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside | Outside-to-Inside |
| Micron Ratings[1] | 0.5 - 150 micron | 0.5 - 150 micron | 0.5 - 70 micron | 0.5 - 150 micron | 0.5 - 150 micron |
| Standard Efficiency Rating | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% |
| Standard Media Material Options | Polypropylene<br>Phenolic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose |
| Hardware Options | Polypropylene<br>Tinned Steel<br>304 SS<br>316 SS | Polypropylene<br>Tinned Steel<br>304 SS<br>316 SS | Polypropylene | Tinned Steel<br>304 SS | Tinned Steel<br>304 SS |
| Diameter (inches) | 6.25” | 6.25” | 6.25” | 12.75” | 20.0” |
| Standard Lengths (inches) | 30” & 40” | 30” & 40” | 40” | 40” | 40” |
| Recommended Flow Rate for Optimal Dirt Loading (gpm,$m^3$/hr) | 40 gpm<br>9.10 $m^3$/hr | 40 gpm<br>9.10 $m^3$/hr | 40 gpm<br>9.10 $m^3$/hr | 150 gpm<br>34.10 $m^3$/hr | 450 gpm<br>102.21 $m^3$/hr |
| Dirt Loading (lbs,grams)[1] | Up to 19.6 lbs<br>Up to 8,890 grams | Up to 24.7 lbs<br>Up to 11,204 grams | Up to 24.3 lbs<br>Up to 11,022 grams | Up to 100 lbs<br>Up to 45,360 grams | Up to 300 lbs<br>Up to 136,078 grams |
| Surface Area ($ft^2$,$m^2$) | Varies based on Media & Micron Rating | Varies based on Media & Micron Rating | Varies based on Micron Rating | Up to 400 $ft^2$<br>Up to 37.2 $m^2$ | Up to 1150 $ft^2$<br>Up to 107 $m^2$ |
| Max Recommended Change-Out Differential | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar |
| Max Recommended Differential Pressure (PSID,bar) | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar |
| Vessel Technology | Clarify™ | Clarify™ | Clarify™ | Clarify™ | Clarify™ |

[1] Based on FTC R&D Center Standard Test Procedures



| LIQUID / SOLIDS FILTRATION | SIEVA™ Liquid / Solids Bag Filtration | | | | |
|---|---|---|---|---|---|
| Product Series | SIEVA 650 | SIEVA 550 | SIEVA 100 | SIEVA 600 HT | SIEVA Max-Out |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment<br>Food & Beverage | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment | General Industrial<br>Oil & Gas<br>Chemical Production<br>Water Treatment | Oil & Gas<br>Chemical Production |
| Common Applications | Provides maximum solids loading capacity combined with high efficiency solids filtration removal in a bag filter vessel. Fits standard #1 & #2 size bag filter housings. | Bag filter applications requiring high efficiency solids filtration removal. Fits standard #2 size bag filter housings. | Bag filter applications where nominal filtration is sufficient. Fits standard #2 size bag filter housings. | Bag filter applications with higher temperature and/or where hydrocarbons are present. | Proprietary design to allow for cartridge style filters to be used in bag filter vessels. |
| Flow Direction | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside | Outside-to-Inside |
| Micron Ratings[1] | 0.5 - 150 micron | 2 - 100 micron | 1 - 200 micron | 0.5 - 150 micron | 1 - 70 micron |
| Standard Efficiency Rating | 99.98% | 99.0% | Nominal | 99.98% | 99.00% |
| Standard Media Material Options | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6 | Polypropylene | Polypropylene<br>Polyester | Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose |
| Hardware Options | Polypropylene | Polypropylene | Polypropylene | Nylon 6,6 | Polypropylene<br>Tinned Steel<br>304 SS<br>316 SS |
| Diameter (inches) | 6.25” | 6.25” | 6.25” | 6.0” | 6.25” |
| Standard Lengths (inches) | 20” & 26” | 20” | 24” | 26” | 20” |
| Recommended Flow Rate for Optimal Dirt Loading (gpm,$m^3$/hr) | 25 gpm - 20”<br>35 gpm - 26”<br>5.7 $m^3$/hr - 20”<br>8.0 $m^3$/hr - 26” | 25 gpm<br>5.7 $m^3$/hr | 25 gpm<br>5.7 $m^3$/hr | 25 gpm<br>5.7 $m^3$/hr | 25 gpm<br>5.7 $m^3$/hr |
| Dirt Loading (lbs,grams)[1] | Up to 9.6 lbs - 20”<br>Up to 12.5lbs - 26”<br>Up to 4,355 g - 20”<br>Up to 5,670 g - 26” | Up to 5.3 lbs<br>Up to 2,404 grams | Up to 6.98 lbs<br>Up to 3,166 grams | Up to 8.3 lbs<br>Up to 3,765 grams | Up to 7.2 lbs<br>Up to 3,266 grams |
| Surface Area ($ft^2$,$m^2$) | 38 $ft^2$ - 20”<br>50 $ft^2$ - 26”<br>3.5 $m^2$ - 20”<br>4.6 $m^2$ - 26” | 32 $ft^2$<br>2.9 $m^2$ | 28 $ft^2$<br>2.6 $m^2$ | Up to 42 $ft^2$<br>Up to 3.9 $m^2$ | 35 $ft^2$<br>3.3 $m^2$ |
| Max Recommended Change-Out Differential | 25 PSID<br>1.72 bar | 25 PSID<br>1.72 bar | 25 PSID<br>1.72 bar | 25 PSID<br>1.72 bar | 35 PSID<br>2.4 bar |
| Max Recommended Differential Pressure (PSID,bar) | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 50 PSID<br>3.45 bar |
| Vessel Technology | Sieva™ | Sieva™ | Sieva™ | Sieva™ | Sieva™ |

[1] Based on FTC R&D Center Standard Test Procedures

Pall is a registered trademark of Pall Corporation.







| LIQUID / SOLIDS FILTRATION | TORRENT™ Liquid / Solids High Flow Filtration | |
|---|---|---|
| Product Series | TORRENT 600 | TORRENT 700 |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment<br>Food & Beverage | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation<br>Water Treatment |
| Common Applications | Excellent filter for many applications, especially polishing of water, low viscosity fluids (LPG, LNG, etc), and applications requiring high flux rates. Fits common High Flow style filter vessels. | Replacement element for high flow systems with outside to inside flow path. |
| Flow Direction | Inside-to-Outside | Outside-to-Inside |
| Micron Ratings[1] | 0.5 - 150 micron | 0.5 - 150 micron |
| Standard Efficiency Rating | 99.98% | 99.98% |
| Standard Media Material Options | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose | Polypropylene<br>Microglass<br>Polyester<br>Nylon 6,6<br>Phenolic Cellulose<br>Acrylic Cellulose |
| Hardware Options | Polypropylene<br>Tinned Steel<br>304 SS<br>316 SS<br>Acetal<br>Nylon | Nylon 6,6 |
| Diameter (inches) | 6” | 6.5” |
| Standard Lengths (inches) | 20”, 40” & 60” | 40” & 60” |
| Recommended Flow Rate for Optimal Dirt Loading (gpm,$m^3$/hr) | 25 gpm - 20”<br>50 gpm - 40”<br>75 gpm - 60”<br>5.7 $m^3$/hr - 20”<br>11.4 $m^3$/hr - 40”<br>17.1 $m^3$/hr - 60” | 50 gpm - 40”<br>75 gpm - 60”<br>11.4 $m^3$/hr - 40”<br>17.1 $m^3$/hr - 60” |
| Dirt Loading (lbs,grams)[1] | Up to 9.16 lbs per 20”<br>Up to 4,155 g per 20” | Varies based on Media & Micron Rating |
| Surface Area ($ft^2$,$m^2$) | Up to 96 $ft^2$<br>(32 $ft^2$ per 20”)<br>Up to 9 $m^2$<br>(3 $m^2$ per 20”) | Up to 101 $ft^2$ - 40”<br>Up to 152 $ft^2$ - 60”<br>Up to 9.4 $m^2$ - 40”<br>Up to 14.1 $m^2$ - 60” |
| Max Recommended Change-Out Differential | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar |
| Max Recommended Differential Pressure (PSID,bar) | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar |
| Vessel Technology | Torrent™ | Torrent™ |

[1] Based on FTC R&D Center Standard Test Procedures





| GAS / LIQUID SEPARATION | CYPHON™ Gas / Liquid Separation | | | | | |
|---|---|---|---|---|---|---|
| Product Series | CYPHON 28 | CYPHON 45 | CYPHON 47 | CYPHON 55 | CYPHON 60 | CYPHON 64 |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation |
| Common Applications | Alternative for Pall SepraSol™ Liquid-Gas Coalescer. | High performance upgrade for industry standard 336 style coalescers. | High surface area, high performance coalescer. Replaces standard conical shaped coalescers. | Maximum surface area, high performance coalescer. | Alternative for Pall SepraSol Plus™ Liquid-Gas Coalescer. | High performance upgrade for industry standard 6.0" diameter coalescers. |
| Flow Direction | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside | Inside-to-Outside |
| Liquid Removal Micron Ratings | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron |
| Series Liquid Efficiency Rating | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% |
| Gas Particle Micron Ratings | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron |
| Particle Efficiency Rating | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% | 99.98% |
| Standard Media[1] | Borosilicate Microglass | Borosilicate Microglass | Borosilicate Microglass | Borosilicate Microglass | Borosilicate Microglass | Borosilicate Microglass |
| Support Layers | Standard or Amine Compatible | Standard or Amine Compatible | Standard or Amine Compatible | Standard or Amine Compatible | Standard or Amine Compatible | Standard or Amine Compatible |
| Hardware Options | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel |
| Diameter (inches) | 2.75" | 4.5" | 4.75" | 5.5" | 6.0" | 6.0" |
| Standard Lengths (inches) | 30" | 36" | 36" | 36" | 40" | 36" |
| Max Recommended Change-Out Differential | 12 PSID<br>0.83 bar | 12 PSID<br>0.83 bar | 12 PSID<br>0.83 bar | 12 PSID<br>0.83 bar | 12 PSID<br>0.83 bar | 12 PSID<br>0.83 bar |
| Max Recommended Differential Pressure | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar |
| Max Recommended Flow Rate for Natural Gas at 60°F | 58.8 ACFM | 144.3 ACFM | 167 ACFM | 214.9 ACFM | 294.5 ACFM | 235.2 ACFM |
| Max Liquid Loading[2] (gpm,$m^3$/hr) | 0.058 gpm<br>0.0132 $m^3$/hr | 0.141 gpm<br>0.032 $m^3$/hr | 0.163 gpm<br>0.0137 $m^3$/hr | 0.210 gpm<br>0.047 $m^3$/hr | 0.288 gpm<br>0.065 $m^3$/hr | 0.230 gpm<br>0.052 $m^3$/hr |
| Surface Area ($ft^2$,$m^2$) | 8 $ft^2$<br>0.74 $m^2$ | 18 $ft^2$<br>1.7 $m^2$ | 20.7 $ft^2$<br>1.92 $m^2$ | 26.6 $ft^2$<br>2.47 $m^2$ | 36.5 $ft^2$<br>3.4 $m^2$ | 29.2 $ft^2$<br>2.71 $m^2$ |
| Vessel Technology | Cyphon™ | Cyphon™ | Cyphon™ | Cyphon™ | Cyphon™ | Cyphon™ |

[1]Other Media Options Available.

[2]Liquid loading based on liquid viscosity of 1 cP.



| GAS / SOLIDS FILTRATION | TERSUS™ Gas / Solids Filtration | | | SEPRUM™ Gas Filter Separators |
|---|---|---|---|---|
| Product Series | TERSUS 380 | TERSUS 450 | TERSUS 600 | SEPRUM 450 |
| Common Markets | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production<br>Power Generation | General Industrial<br>Oil & Gas<br>Chemical Production |
| Common Applications | Common gas particle filter. Replaces Pall MCC1401 style cartridge filter. | Conventional gas particle filter. Pleated upgrade for industry standard 336 style gas filter vessels. | High solids capacity inside-to-outside gas particle filter. | Conventional gas filter-separator cartridge. Pleated upgrade for standard 336 style filter separators. |
| Flow Direction | Outside-to-Inside | Outside-to-Inside | Inside-to-Outside | Outside-to-Inside |
| Gas Particle Micron Ratings | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron | 0.1 - 10 micron |
| Particle Efficiency Rating | 99.98% | 99.98% | 99.98% | 99.98% |
| Liquid Micron Ratings | n/a | n/a | n/a | 0.1 - 10 micron |
| Element Liquid Efficiency Rating[1] | n/a | n/a | n/a | 99.98% |
| Media Material Options | Cellulose<br>Microglass<br>Polyester<br>Nylon 6,6 | Microglass<br>Polyester<br>Nylon 6,6 | Microglass<br>Polyester<br>Nylon 6,6 | Microglass<br>Polyester<br>Nylon 6,6 |
| Hardware Options | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Nylon 6,6<br>Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel | Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel |
| Diameter (inches) | 3.75” | 4.5” | 6.0” | 4.5” |
| Standard Lengths (inches) | 40” | 36” & 72” | 40” & 60” | 36” & 72” |
| Surface Area ($ft^2$,$m^2$) | Up to 44 $ft^2$<br>Up to 4.1 $m^2$ | 25.8 $ft^2$<br>2.4 $m^2$ | Up to 96 $ft^2$<br>Up to 9 $m^2$ | 25.8 $ft^2$<br>2.4 $m^2$ |
| Max Recommended Change-Out Differential (PSID,bar) | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar | 25 PSID<br>1.72 bar | 15 PSID<br>1.03 bar |
| Max Recommended Differential Pressure (PSID,bar) | 60 PSID<br>4.14 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar | 50 PSID<br>3.45 bar |
| Vessel Technology | Tersus™ | Tersus™ | Tersus™ | Seprum™ |

[1]Actual efficiency subject to vessel design

| LIQUID / LIQUID SEPARATION | STRATA™ Liquid / Liquid Separation | | | |
|---|---|---|---|---|
| Product Series | STRATA 240 Emerald | STRATA 740 Emerald | STRATA 37 | STRATA 60 |
| Common Markets | General Industrial<br>Oil & Gas<br>Water Treatment | General Industrial<br>Oil & Gas<br>Water Treatment | General Industrial<br>Oil & Gas<br>Chemical Production<br>Water Treatment | General Industrial<br>Oil & Gas<br>Chemical Production<br>Water Treatment |
| Common Applications | Standard capacity element designed to polish hydrocarbons from fluids via absorption. Fits standard 2.5" cartridge housings. | High Capacity element designed to polish hydrocarbons from fluids via absorption. Fits standard 740 style housings. | Alternative for Pall AquaSep™ and PhaseSep™ Liquid-Liquid Coalescers. | Proprietary High Performance Liquid-Liquid Coalescer. |
| Flow Direction | Outside-to-Inside | Outside-to-Inside | Inside-to-Outside | Inside-to-Outside |
| Micron Ratings | n/a | n/a | 2 - 100 micron | 2 - 100 micron |
| Discontinuous Phase Removal Efficiency | 5 ppmv or less effluent[1] | 5 ppmv or less effluent[1] | 15 ppmv or less effluent | 15 ppmv or less effluent |
| Media Material Options | Hydrocarbon Removal Polymer | Hydrocarbon Removal Polymer | Microglass<br>Polyester<br>Nylon 6,6<br>ECTFE | Microglass<br>Polyester<br>Nylon 6,6 |
| Hardware Options | Polypropylene | Polypropylene | 304 Stainless Steel | Nylon 6,6<br>Tinned Steel<br>304 Stainless Steel<br>316 Stainless Steel |
| Diameter (inches) | 2.5" | 6.25" | 3.75" | 6.0" |
| Standard Lengths (inches) | 30" & 40" | 35" & 40" | 20" & 40" | 40" & 60" |
| Max Recommended Change-Out Differential (PSID,bar) | 35 PSID<br>2.4 bar | 35 PSID<br>2.4 bar | 15 PSID<br>1.03 bar | 15 PSID<br>1.03 bar |
| Recommended Flow Rate (gpm,$m^3$/hr) | 1.0 GPM per 10" Filter<br>0.23 $m^3$/hr per 10" Filter | 15 GPM per 40" Filter<br>3.4 $m^3$/hr per 40" Filter | Subject to Phase Properties | Subject to Phase Properties |
| Max Discontinuous Phase Liquid Loading (%) | n/a | n/a | 5% | 5% |
| Vessel Technology | Strata Emerald™ | Strata Emerald™ | Strata™ | Strata™ |

[1]Based on FTC R&D Center test parameters. Actual effluent is dependent on inlet concentration and residence time of fluid.

# FOREFRONT OF FILTRATION TECHNOLOGY


Filtration Technology Corporation

11883 Cutten Road
Houston, TX 77066

ftc-houston.com

(713) 849-0849