










# Coflore ATR<sup>®</sup>




## Accessories Brochure









Individual Gaskets and Seals	
<p><b>1/2" triclover gasket</b> PTFE envelope gasket <b>Material:</b> PTFE Viton (non-wetted) For use with 0.35 L &amp; 1.25 L reactor tubes</p>	
<p><b>1" triclover gasket</b> PTFE envelope gasket <b>Material:</b> PTFE Viton (non-wetted) For use with 0.35 L &amp; 1.25 L reactor tubes</p>	
<p><b>1 1/2" triclover gasket</b> PTFE envelope gasket <b>Material:</b> PTFE Viton (non-wetted) For use with 1.25L reactor tube</p>	
Reactor Tube Seal Kits	
0.35 mL Reactor Tube Seal Kits	
<p><b>ATR-0.7L-SEAL KIT</b> <b>4 sets of gaskets for ATR-0.7L</b> <b>Components Include:</b> 16 x 1/2" triclover gasket 28 x 1" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	
<p><b>ATR-1.4L-SEAL KIT</b> <b>4 sets of gaskets for ATR-1.4L</b> <b>Components Include:</b> 32 x 1/2" triclover gasket 52 x 1" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	




0.35 mL Reactor Tube Seal Kits (cont.)	
<p><b>ATR-2.8L-SEAL KIT</b> <b>4 sets of gaskets for ATR-2.8L</b> <b>Components Include:</b> 64 x 1/2" triclover gasket 104 x 1" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	
1.25 mL Reactor Tube Seal Kits	
<p><b>ATR-2.5L-SEAL KIT</b> <b>4 sets of gaskets for ATR-2.5L</b> <b>Components Include:</b> 16 x 1/2" triclover gasket 12 x 1" triclover gasket 16 x 1 1/2" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	
<p><b>ATR-5L-SEAL KIT</b> <b>4 sets of gaskets for ATR-5L</b> <b>Components Include:</b> 32 x 1/2" triclover gasket 20 x 1" triclover gasket 32 x 1 1/2" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	
<p><b>ATR-10L-SEAL KIT</b> <b>4 sets of gaskets for ATR-5L</b> <b>Components Include:</b> 64 x 1/2" triclover gasket 40 x 1" triclover gasket 64 x 1 1/2" triclover gasket <b>Material:</b> PTFE Viton (non-wetted)</p>	



ATR Accessories	
Acoustic Cabinet	
<p><b>ATR-Cabinet</b></p> <p><b>ATR Acoustic Cabinet</b>  <b>Size:</b> 1200mm W, 780mm D, 1800mm H  <b>Material:</b> 304 Stainless steel</p> <p>Provide containment for handling hazardous compounds. With fume extract connection and removable window panels for viewing and accessing the reactor tube assembly.</p>	
<p><b>ATR-TP-Ha</b></p> <p><b>ATR thermowell: Hastelloy</b>  T type thermocouple calibrated -40 to 200°C</p> <p><b>Connections:</b> 1/2" triclover  <b>Wetted Material:</b> Hastelloy C276</p> <p>Thermowells incorporate a T-type Thermocouple with miniature plug.</p>	
Process Tube Fittings – Hose-barb Fittings	
<p><b>ATR-BSP4-Ha</b></p> <p>4 mm triclover adaptor  Adapts 1/2" triclover to 1/4" BSP thread  4mm through hole.  Can be used with 1/4" BSP injection plug</p> <p><b>Material:</b>  Hastelloy C276</p> <p><b>Connections:</b>  1/2" triclover  1/4" BSP female  Ø 4mm through hole</p>	

ATR Accessories (cont.)	
Process Tube Fittings – Hose-barb Fittings (cont.)	
<p><b>ATR-BSP4-SS</b></p> <p>4mm triclover adaptor  Adapts 1/2" triclover to 1/4" BSP thread  4mm through hole.  Can be used with 1/4" BSP injection plug</p> <p><b>Material:</b>  316 Stainless steel</p> <p><b>Connections:</b>  1/2" triclover  1/4" BSP female  Ø 4mm through hole</p>	
<p><b>ATR-PLUG-INJ</b></p> <p><b>¼" BSP injection plug</b>  For use with 4mm triclover adaptor  Adapts from 1/4" BSP to ¼-28 UNF</p> <p><b>Operating range:</b>  Pressure: up to 10 Bar</p> <p><b>Material:</b>  PTFE, 316 Stainless steel (non-wetted)</p> <p><b>Connections:</b>  1/4" BSPP male  ¼-28 UNF female</p>	
<p><b>P-646</b></p> <p>Soft tubing connectors for use with peristaltic pump tubing and;  ¼" BSP Injection plug ATR-PLUG-INJ</p> <p><b>Material:</b> ETFE</p> <p><b>Connections:</b> ¼-28 UNF Male</p>	



ATR Accessories (cont.)	
Process Tube Fittings – Swagelok Fitting	
<p><b>Swagelok tube connectors for use with PTFE/Stainless steel tubing.</b></p> <p><b>Material:</b> Fitting: 316 Stainless Steel Washer: Stainless steel, Viton</p> <p><b>Components Include:</b> Compression fitting Bonded washer</p>	
<p><b>ATR-BSP9.5-Ha</b></p> <p>9.5 mm triclover adaptor Adapts 1/2" triclover to 1/4" BSP thread 9.5mm through hole</p> <p><b>Material:</b> Hastelloy C276</p> <p><b>Connections:</b> 1/2" triclover 1/4" BSP female Ø 9.5mm through hole</p>	
<p><b>ATR-BSP9.5-SS</b></p> <p>9.5mm triclover adaptor Adapts 1/2" triclover to 1/4" BSP thread 9.5mm through hole</p> <p><b>Material:</b> 316 Stainless steel</p> <p><b>Connections:</b> 1/2" triclover 1/4" BSP female Ø9.5 mm through hole</p>	


ATR Accessories (cont.)	
Process Tube Fittings – Omnifit Fitting	
<p><b>ATR-PLUG-INJ</b></p> <p><b>¼" BSP injection plug</b> For use with 4mm triclover adaptor Adapts from 1/4" BSP to ¼-28 UNF</p> <p><b>Operating range:</b> Pressure: up to 10 Bar</p> <p><b>Material:</b> PTFE, 316 Stainless steel (non-wetted)</p> <p><b>Connections:</b> 1/4" BSPP male ¼-28 UNF female</p>	
<p><b>XP-283</b></p> <p><b>Omnifit connectors for use with 1/16" PTFE tubing and;</b> ¼" BSP Injection plug ATR-PLUG-INJ</p> <p><b>Material:</b> <b>Gripper body:</b> PEEK <b>Ferrule:</b> PTFE</p> <p><b>Connections:</b> ¼-28 UNF Male</p>	
<p><b>XP-335</b></p> <p><b>Omnifit connectors for use with 1/8" PTFE tubing and;</b> ¼" BSP Injection plug ATR-PLUG-INJ</p> <p><b>Material:</b> <b>Gripper body:</b> PEEK <b>Ferrule:</b> PTFE</p> <p><b>Connections:</b> ¼-28 UNF Male</p>	

ATR Accessories (cont.)	
Process Tube Fittings – Miscellaneous	
<p><b>ATR-HB-SS</b></p> <p>Hose barb adaptor Adapts from 1/2" triclover to hose barb</p> <p><b>Material:</b> 316 Stainless steel</p> <p><b>Connections:</b> 1/2" triclover, 4.8 mm ID hose barb</p>	
<p><b>ATR-HB-Ha</b></p> <p>Hose barb adaptor Adapts from 1/2" triclover to hose barb</p> <p><b>Material:</b> Hastelloy C276</p> <p><b>Connections:</b> 1/2" triclover, 4.8 mm ID hose barb</p>	
Extra Process Hosing (Three Incl. in Standard Quote)	
<p><b>ATR-H-2000</b></p> <p><b>ATR inlet/outlet hose</b></p> <p><b>Size:</b> 9.5 mm ID x 2000 mm PTFE braided hose</p> <p><b>Operating Range:</b> Pressure: up to 50 Bar</p> <p><b>Material:</b> 316 Stainless steel (non-wetted) &amp; PTFE</p> <p><b>Connections:</b> 1/2" triclover</p> <p>Custom sizes available on request</p>	

ATR Accessories (cont.)	
SXV Solids Handling Valve	
<p><b>SXV</b></p> <p><b>Coflore SXV (Solids X Valve)</b></p> <p>For diverting recycled fluid into the reactor</p> <p><b>Material:</b> Hastelloy C276</p> <p><b>Dimensions:</b> 130 mm x 130 mm x 70 mm</p> <p><b>Connections:</b> 4 off ½" Swagelok tube connection</p>	
<p><b>SXV</b></p> <p><b>Coflore SXV (Solids X Valve)</b></p> <p>For diverting recycled fluid into the reactor</p> <p><b>Material:</b> 316 Stainless steel</p> <p><b>Dimensions:</b> 130 mm x 130 mm x 70 mm</p> <p><b>Connections:</b> 4 off ½" Swagelok tube connection</p>	
ACR Reactor Block Assembly	
<p><b>ATR-ACR Reactor Assembly</b></p> <p><b>Coflore ACR Reactor Block Assembly for the ATR</b></p> <p>For fitting the ACR reactor block assembly to the ATR agitating platform</p> <p><b>Material:</b></p>	

<p>316 Stainless steel</p> <p><b>Includes:</b> <b>ACR-100-Ha</b> <b>ACR Reactor Block Assembly</b> <b>Hastelloy Cell Block</b></p> <p><b>Operating Range:</b> Pressure: Up to 10 Bar Temperature: -40 to +140 °C</p> <p><b>Wetted Material:</b> Cell Block: Hastelloy C276 Gasket: PTFE O-ring: FFKM Glass Window: Borosilicate Glass Heat Exchange plate: Hastelloy C276</p> <p><b>Dimensions:</b> 300 mm H x 100 mm W x 55 mm D Mass: 9 Kg Cell diameter: 25 mm Interstage Channel: 4mm x 4mm x 30 mm</p> <p><b>Capacity:</b> 100ml Nominal</p> <p><b>Connections:</b> Inlet/Outlet: 1/8" BSPP Female Side port: 1/4" BSPP Female</p> <p><b>Components Include:</b> 1 x Process flange 1 x Reactor Cell Block: Hastelloy 1 x HTF Flange 1 x Mounting plate 10 x Glass Window 10 x Window Gasket 1 x Process Gasket 2 x Process connection gasket 2 x Process connection 10 x ¼" BSP Blank plug 1 x Process O-ring 1 x HTF O-ring 10 x HTF Agitator 2 x Heat transfer hoses</p>	
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ATR Accessories (cont.)	
ATR Tool Kit	
<p><b>ATR-Tools</b> <b>Components include:</b> 1 x tool bag 1 x Allen key set 1 x 14 mm ratchet spanner 2 x adjustable spanner 1 x pliers</p>	
Service and Maintenance Kits	
<p><b>ATR-Service Kit-EX</b> <b>Service and maintenance kit for the ATR</b></p> <p><b>ATEX Zone IICT4</b> <b>Components include:</b> 1 x Solenoid Valve Assembly 4 x Pneumatic Actuator 4 x Agitation Springs</p> <p>Some of the agitating platform components have a limited life cycle. The solenoid valve assembly, pneumatic actuator and agitation springs should be replaced according to the following schedule:</p> <p><b>Infrequent use</b> (less than 1 day per week): Replace at user's discretion <b>Frequent use</b> (2-3 days per week): Replace every 12 months <b>Continuous use</b> (5 days per week): Replace every 6 months <b>Continuous use</b> (7 days per week): Replace every 4 months</p> <p>In the event of the need to replace solenoids, actuators or agitation springs, <b>please contact</b> AM Technology.</p>	

<p><b>ATR-Service Kit</b> <b>Service and maintenance kit for the ATR</b></p> <p><b>Components include:</b> 1 x Solenoid Valve Assembly 4 x Pneumatic Actuator 4 x Agitation Springs</p> <p>Some of the agitating platform components have a limited life cycle. The solenoid valve assembly, pneumatic actuator and agitation springs should be replaced according to the following schedule:</p> <p><b>Infrequent use</b> (less than 1 day per week): Replace at user's discretion <b>Frequent use</b> (2-3 days per week): Replace every 12 months <b>Continuous use</b> (5 days per week): Replace every 6 months <b>Continuous use</b> (7 days per week): Replace every 4 months</p> <p>In the event of the need to replace solenoids, actuators or agitation springs, <b>please contact</b> AM Technology.</p>	
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