

Coflore ACR[®]

Accessories Brochure



ACR Reactor Block Assemblies

ACR-100-Ha
ACR Reactor Block Assembly
Hastelloy Cell Block

Operating Range:

Pressure: Up to 10 Bar

Temperature: -40 to +140°C

Wetted Material:

Cell Block: Hastelloy C276

Gasket: PTFE

O-ring: FFKM

Glass Window: Borosilicate Glass

Heat Exchange plate: Hastelloy C276

Dimensions:

300 mm H x 100 mm W x 55 mm D

Mass: 9 Kg

Cell diameter: 2.5mm

Inter-stage Channel: 4 mm x 4 mm x 30 mm

Capacity: 100 mL Nominal

Connections:

Inlet/Outlet: 1/8" BSPP Female

Side port: 1/4" BSPP Female

Components Include:

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 1/4" BSP Blank plug

1 x Process O-ring

1 x HTF O-ring

10 x HTF Agitator



ACR-100-ACX
ACR Reactor Block Assembly
Extractor Cell Block

Operating Range:

Pressure: Up to 4 Bar

Temperature: -40 to +140 °C

Wetted Material:

Cell Block: PTFE 25% GF

Gasket: PTFE

O-ring: FFKM

Window: Borosilicate Glass

Heat Exchange plate: Hastelloy C276

Dimensions:

300 mm H x 100 mm W x 55 mm D

Mass: 4 kg

Cell diameter: 25 mm

Inter-stage Channel:

4 mm x 4 mm x 30 mm

6 mm x 15 mm x 30 mm

Capacity: 100 mL Nominal

Connections:

Inlet/Outlet: 1/8" BSPP Female

Side port: 1/4" BSPP Female

Components Include:

1 x Process flange

1 x Reactor Cell Block: ACX

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 1/4" BSP Blank plug

1 x Process O-ring

1 x HTF O-ring

10 x HTF Agitator



ACR Reactor Block Assemblies

ACR-100-PTFE

ACR Reactor Block Assembly PTFE Cell Block

Operating Range:

Pressure: Up to 4 Bar

Temperature: -40 to +140°C

Wetted Material:

Cell Block: PTFE 25% GF

Gasket: PTFE

O-ring: FFKM

Window: Borosilicate Glass

Heat Exchange plate: Hastelloy C276

Dimensions:

300 mm H x 100 mm W x 55 mm D

Mass: 4 kg

Cell diameter: 25 mm

Inter-stage Channel: 4 mm x 4 mm x 30 mm

Capacity:

100 mL Nominal

Connections:

Inlet/Outlet: 1/8" BSPP Female

Side port: 1/4" BSPP Female

Components Include:

1 x Process flange

1 x Reactor Cell Block: PTFE

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 1/4" BSP Blank plug

1 x Process O-ring

1 x HTF O-ring

10 x HTF Agitator



ACR-100-ACX

ACR Reactor Block Assembly Extractor Cell Block

Operating Range:

Pressure: Up to 4 Bar

Temperature: -40 to +140 °C

Wetted Material:

Cell Block: PTFE 25% GF

Gasket: PTFE

O-ring: FFKM

Window: Borosilicate Glass

Heat Exchange plate: Hastelloy C276

Dimensions:

300 mm H x 100 mm W x 55 mm D

Mass: 4 kg

Cell diameter: 25 mm

Inter-stage Channel:

4 mm x 4 mm x 30 mm, 6 mm x 15 mm x 30 mm

Capacity: 100 mL Nominal

Connections:

Inlet/Outlet: 1/8" BSPP Female

Side port: 1/4" BSPP Female

Components Include:

1 x Process flange

1 x Reactor Cell Block: ACX

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 1/4" BSP Blank plug







1 x Process O-ring





1 x HTF O-ring


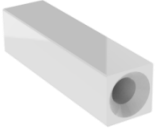







10 x HTF Agitator





ACR Reactor Blocks and Agitators					
ACR-RB-Ha Reactor Cell Block: Hastelloy Material: Hastelloy C276 Dimensions: 300 mm H x 100 mm W x 20 mm D Cell diameter: 25mm Inter-stage Channel: 4 mm x 4 mm x 30 mm Connections: Side port: 1/4" BSPP Female		ACR-70%-Ha 70% Volume agitator: Hastelloy Occupies 70% Cell volume (7 mL approx.) Agitator diameter: 22 mm Material: Body: Hastelloy C276 O-ring: FFKM		ACR-CB-Ha Catalyst Basket agitator Agitator diameter: 18 mm Material: Body: Hastelloy C276 O-ring: FFKM (Available as set of 10)	
ACR-RB-PTFE Reactor Cell Block: PTFE Material: PTFE 25% GF Dimensions: 300 mm H x 100 mm W x 20 mm D Cell diameter: 25 mm Inter-stage Channel: 4 mm x 4 mm x 30 mm Connections: Side port: 1/4" BSPP Female		ACR-50%-Ha 50% Volume agitator: Hastelloy Occupies 50% Cell volume (5 mL approx.) Agitator diameter: 18.6 mm Material: Body: Hastelloy C276 O-ring: FFKM		ACR-HS-Ha High Shear Agitator Occupies 10% Cell volume (1 mL approx.) Agitator diameter: 19 mm Material: Body: Hastelloy C276 End Sleeve: PTFE	
ACR-RB-ACX Extractor Cell Block Material: PTFE 25% GF Dimensions: 300 mm H x 100 mm W x 20 mm D Cell diameter: 25 mm Inter-stage Channel: 4 mm x 4 mm x 30 mm 6 mm x 15 mm x 30 mm Connections: Side port: 1/4" BSPP Female		ACR-30%-Ha 30% Volume agitator: Hastelloy Occupies 30% Cell volume (3 mL approx.) Agitator diameter: 14.5 mm Material: Body: Hastelloy C276 O-ring: FFKM		ACR-70%-C 70% Volume agitator: Ceramic Occupies 70% Cell volume (7 mL approx.) Agitator diameter: 22 mm Material: Body: Technox 2000 O-ring: FFKM	

ACR Agitators, Temperature Probes and Tube Fittings			
<p>ACR-50%-C 50% Volume agitator: Ceramic</p> <p>Occupies 50% Cell volume (5 mL Approx.) Agitator diameter: 18.6 mm</p> <p>Material: Body: Technox 2000 O-ring: FFKM</p>		<p>Soft tubing connectors for use with peristaltic pump tubing and; ¼" BSP Injection plug ACR-PLUG-INJ ¼-28 UNF Adaptor ACR-1/4-28-P</p> <p>Material: ETFE</p> <p>Connections: ¼-28 UNF Male</p>	
<p>ACR-30%-C 30% Volume agitator: Hastelloy</p> <p>Occupies 30% Cell volume (3 mL approx.) Agitator diameter: 14.5 mm</p> <p>Material: Body: Technox 2000 O-ring: FFKM</p>		<p>Omnifit connectors for use with PTFE tubing and; ¼" BSP Injection plug ACR-PLUG-INJ ¼-28 UNF Adaptor ACR-1/4-28-P</p> <p>Material: Gripper body: PEEK Ferrule: PTFE</p> <p>Connections: ¼-28 UNF Male</p>	
<p>ACR-TP-Ha Temperature probe assembly: Hastelloy</p> <p>Measures process temperature at cell wall T-Type Thermocouple, Probe diameter: 1/8" OD Operating Range: Pressure: Up to 10 Bar, Temperature: -40 - +140°C Wetted Material: Thermocouple: Hastelloy C276, Seal: PTFE Thermocouple Gripper Olive: PTFE</p> <p>Connections: Thermocouple plug: 1/4" BSPP Male Thermocouple gripper: ¼-28 UNF Thermocouple: IEC Miniature TC Plug</p>	<p>Components Include: 1 x T-Type Thermocouple 1 x 1/4" BSP Thermocouple plug 1 x 1/8" Omnifit Gripper</p> 	<p>Swagelok tube connectors for use with PTFE/Stainless steel tubing.</p> <p>Material: Fitting: 316 Stainless Steel Washer: Stainless steel, Viton</p> <p>Components Include: Compression fitting Bonded washer</p>	

ACR Tube Fittings			
<p>ACR-PLUG-INJ ¼" BSP Injection plug</p> <p>For ACR Side port Injection, adapts to ¼-28 UNF</p> <p>Operating Range: Pressure: Up to 10 Bar Temperature: -40 to +140 °C</p> <p>Material: PTFE 316 Stainless steel (Non-wetted)</p> <p>Connections: 1/4" BSPP Male ¼-28 UNF Female Ø1.5 mm Through hole</p>		<p>ACR-WIN-Ha Injection nozzle assembly: Hastelloy</p> <p>Injection nozzle replaces Glass window for extra addition point</p> <p>Operating Range: Pressure: Up to 10 Bar Temperature: -40 to +140 °C</p> <p>Wetted Material: Body: Hastelloy C276 ¼" BSP Injection plug seal: PTFE Window Gasket: PTFE</p> <p>Connections: Injection nozzle body: ¼" BSP Female ¼" BSP Injection plug: 1/4" BSPP Male ¼-28 UNF Female</p> <p>Components Include: 1 x Injection Nozzle Body 1 x ¼" BSP Injection plug 1 x Window Gasket</p>	
<p>ACR-PLUG-INJ ¼" BSP Injection plug</p> <p>For ACR Side port Injection, adapts to ¼-28 UNF</p> <p>Operating Range: Pressure: Up to 10 Bar Temperature: -40 to +140 °C</p> <p>Material: PTFE 316 Stainless steel (Non-wetted)</p> <p>Connections: 1/4" BSPP Male ¼-28 UNF Female Ø1.5 mm Through hole</p>		<p>ACR-PLUG-B ¼" BSP Blank plug</p> <p>For blanking ACR side ports</p> <p>Operating Range: Pressure: Up to 10 Bar Temperature: -40 to +140 °C</p> <p>Material: PTFE 316 Stainless steel (Non-wetted)</p> <p>Connections: 1/4" BSPP Male</p>	

ACR Tube Fittings, Gaskets, O-Rings and Miscellaneous					
<p>ACR-PLUG-TC ¼" BSP Thermocouple plug</p> <p>For holding Thermocouple in ACR Side port, adapts to ¼-28 UNF</p> <p>Operating Range: Pressure: Up to 10 Bar Temperature: -40 - +140°C</p> <p>Material: PTFE 316 Stainless steel (Non-wetted)</p> <p>Connections: 1/4" BSPP Male ¼-28 UNF Female Ø3.2mm Through hole</p>		<p>ACR-CR Chanel Restrictor</p> <p>For adding restriction in ACR inter-stage channel</p> <p>Material: PTFE</p> <p>Dimensions: 3.8 mm x 3.8 mm x 15 mm Through hole: 0.2 mm, 1 mm, 2 mm Specified on Order</p> <p>(Available as set of 10)</p>		<p>ACR-SEAL KIT Seal Kit for ACR Reactor block assembly</p> <p>4 sets of Gaskets & O-ring set for ACR</p> <p>Material: Gaskets: PTFE Process O-ring: FFKM HTF O-ring: Viton</p> <p>Components Include: 4 x Process Gasket ACR-PG 4 x Window Gasket set ACR-WG 1 x Process O-ring ACR-OR-FFKM 1 x HTF O-ring ACR-OR-HTF</p>	
<p>ACR-1/4-28-P ¼-28 UNF Adaptor</p> <p>For adapting ACR inlet/outlet to ¼-28 UNF</p> <p>Material: Body: PEEK, Gasket: PTFE</p> <p>Connections: 1/8" BSPP Male, ¼-28 UNF Female</p> <p>Components Include: 1 x ¼-28 UNF Adaptor 1 x 1/8" BSP PTFE Gasket 1 x 5mm OD PTFE Gasket</p>		<p>ACR-GW Glass Window</p> <p>Window for ACR Reactor Block assembly</p> <p>Material: Borosilicate Glass</p> <p>Dimensions: 34 mm OD x 6.5 mm</p> <p>(Available as set of 10)</p>		<p>ACR-PG Process Gasket</p> <p>Gasket for ACR Reactor Block assembly</p> <p>Material: PTFE</p> <p>Dimensions: 300 mm x 100 mm x 1.5 mm</p>	
<p>ACR-OR-FFKM Process O-ring</p> <p>O-ring for ACR Reactor Block assembly</p> <p>Material: FFKM</p>		<p>ACR-OR-HTF HTF O-ring</p> <p>O-ring for ACR Reactor Block assembly</p> <p>Material: Viton</p>		<p>ACR-WG Window Gasket set for ACR Reactor Block assembly</p> <p>Material: PTFE</p> <p>Components Include: 10 x Window Gasket 2 x Process Connection Gasket</p>	

ACR O-Rings	
<p>ACR-ORLT-FFKM Low Temperature Process O-ring</p> <p>O-ring for ACR Reactor Block Assembly Temperature Range: -45° C to 240 °C Material: FFKM</p>	
ACR Insulation Jacket	
<p>ACR-INS Insulation Jacket</p> <p>For insulating the reactor block assembly</p> <p>Material: Insulation Jacket: Silicone sponge Insulation O-rings: Silicone</p> <p>Dimensions: 420 mm x 220 mm x 5 mm</p> <p>Components Include: 1 x Insulation Jacket Front 1 x Insulation Jacket Back 1 x Insulation Jacket Wrap 1 x Large O-ring 3 x Small O-ring</p>	
ACR Tool Kit	
<p>ACR-Tool Kit Tool kit for ACR & Agitating platform</p> <p>Components Include: 1 x Tool Bag 1 x 3mm ALLEN Key 1 x 5mm ALLEN Key 1 x 8mm ALLEN Key 2 x 17mm Spanner 2 x 9/16" Spanner 2 x 1/2" Spanner 1x Pliers</p>	