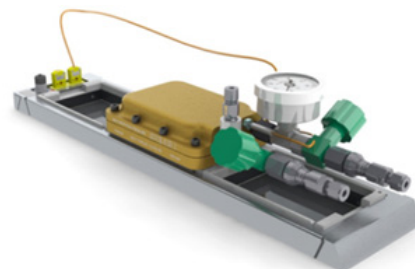


Deck Screening Pressure Reactor

For Big Kahuna and Junior

The Deck Screening Pressure Reactor (DSPR) is a simple, manually sealed reactor enabling pressure chemistry at elevated temperatures, used on-deck with heat/cool/stir bay.



Specifications

Deck Screening Pressure Reactor

Description	Specification
Physical	<ul style="list-style-type: none"> • 112 mm W x 153 mm D x 67 mm H (without fittings) • 112 mm W x 282 mm D x 112 mm H (with fittings)
Maximum operating pressure	<ul style="list-style-type: none"> • 300 psi at 24 °C • 200 psi at 180 °C
Pressure relief	345 psi
Pressure drop rate	Less than 5 psi/h at 300 psi for 5% helium balance nitrogen gas at room temperature
Stirring	Magnetic stir bars
Operations	Sealed or continuous flow applications

Wetted materials

Part	Material
Reactor top and base	6061-T6 Aluminum (optional nickel-plating)
O-ring	Viton
Shutoff valve	316 SST, PFA
Pressure relief and fittings	Stainless steel
Barrier sheet and vial cushion	Teflon and silicone rubber
Shutoff valve	304 SST

Reactor formats

Number of vials	Reactor description	Part number
24	Aluminum	AS00022-001
24	Aluminum, heated top	AS00022-002
24	Nickel-plated aluminum, heated top	AS00022-004
48	Aluminum	AS00016-001
48	Aluminum, heated top	AS00016-002
48	Nickel-plated aluminum, heated top	AS00016-004
96	Aluminum	AS00021-001
96	Aluminum, heated top	AS00021-002
96	Nickel-plated aluminum, heated top	AS00021-004



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