

Non-Stirred Reactors





4651



4740, 4742



4761



4712, 4702



4751



4750, 4763

Parr offers non-stirred pressure vessels in convenient styles, sizes and pressure ranges for many laboratory uses. See the Tenth Edition of the Parr Stirred Reactors and Pressure Vessels Catalog as well as on our website for more details on these vessels.

Non-Stirred Pressure Vessels

Parr Vessels have unlimited applications. These general purpose pressure vessels are offered in various designs ranging in size from 21 mL to 5 gallons for use in a wide range of working temperatures and pressures. Applications for these vessels extend to all types of laboratory work wherever a chemical reaction or physical test must be performed under pressure at elevated temperature.

All Parr General Purpose Vessels have full opening heads with convenient closures for easy access to the interior of the vessel. All but

the smallest sizes use the unique Parr Split Ring Closure, which leaves ample space on the head for attaching various fittings and allows the vessel to be opened and closed without disturbing any of the attachments.

Custom built heads can be provided for any of these vessels. These can include provisions for attaching a large variety of fittings, including: thermowells, gas connections, valves, dip tubes, electrical feed-throughs, power leads for internal heaters, safety rupture discs, reflux coils and other attachments.

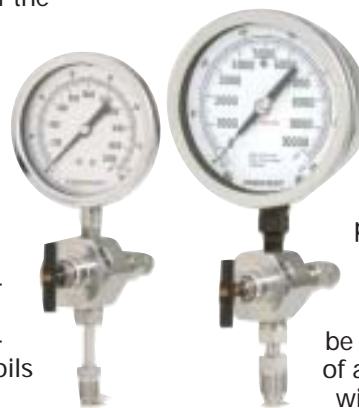
The vessels are available in all of the materials of construction listed in the Tenth Edition of the Parr Stirred Reactors and Pressure Vessels Catalog.

Vessel Heaters

Electric heaters and automatic temperature controllers can be furnished for all non-stirred pressure vessels.

Gage Block Assemblies

Parr Gage Block Assemblies combine the function of an inlet / outlet valve, pressure gage, and safety rupture disc into a compact assembly, which can be attached to the head of any pressure vessel with a single connecting tube. There is a threaded socket in the block for a gas connection with a pressure hose or tubing.



Guide to Parr Non-Stirred Reactors

Model Numbers	Vessel Style	Vessel Size	Maximum Pressure psi (bar)	Maximum Temperature °C	Catalog
4701-4714	Screw Cap	22 & 45 mL	1000 (69)	300	4500
4740-4742	High Pressure	25 & 75 mL	8500 (575)	540	4500
4791-4793	Split Ring	25 - 100 mL	3000 (200)	350	4500
4750-4755	Split Ring	125 & 200 mL	3000 (200)	350	4500
4760-4774	Split Ring	100 - 600 mL	3000 (200)	350	4500
4651-4653	High Pressure	250 - 1000 mL	5000 (345)	500	4500
4605-4626	High Pressure	600 & 1200 mL	5000 (345)	350	4500
4601-4622	Split Ring	1000 & 2000 mL	1900 (130)	350	4500
4661-4666	Split Ring	1 & 2 gallon	1900 (130)	350	4500
4680-4683	High Pressure	1000 & 1800 mL	5000 (345)	500	4500
4671-4674	High Pressure	1 & 1.5 gallon	3000 (200)	500	4500
4676-4679	Split Ring	2.6 & 5 gallon	1900 (130)	350	4500