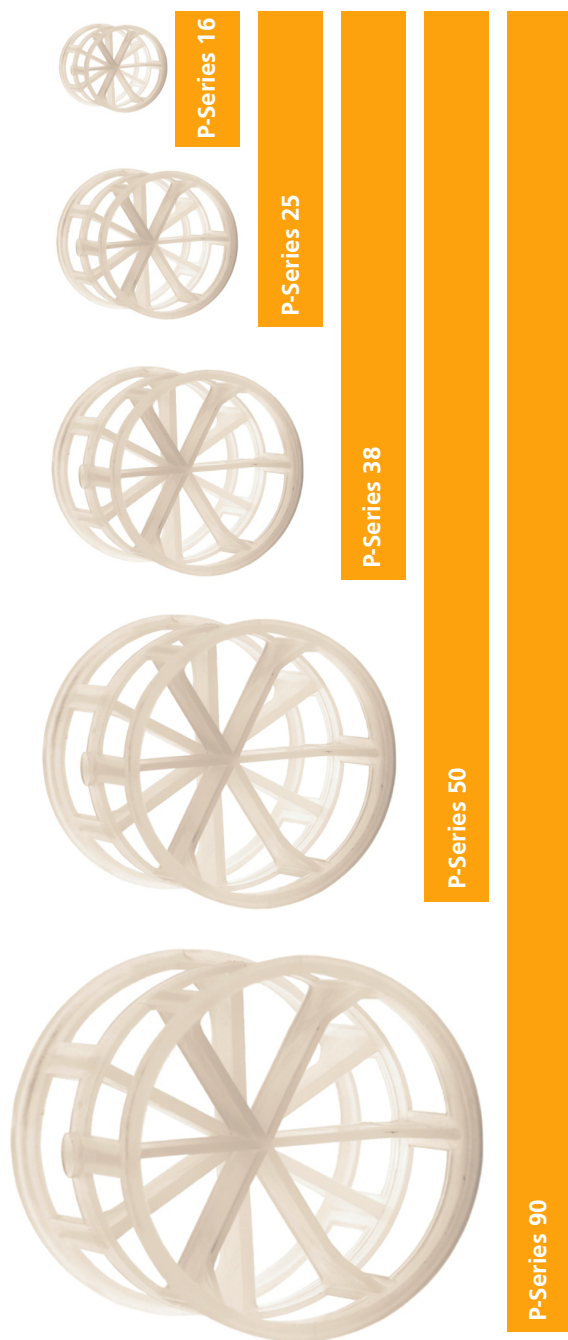


P L A S T I C PALL RINGS



PERFORMANCE CHARACTERISTICS:

An advancement on the Raschig Ring, the **Pall Ring** has similar cylindrical dimensions but has two rows of windows with webs within the cylinder, which significantly increases the performance of the packing, in terms of throughput, efficiency and pressure drop.

We are able to offer these in a variety of plastic: Polypropylene, PVC, PVDF, HDPE and glass filled and high temperature resistant Polypropylene.

As standard we offer our **Pall Rings** in a natural colour but if you need a different colour we are more than happy to help.

FEATURES:



CAPACITY vs PRESSURE DROP

Suited in low pressure drop, high capacity applications

A range of sizes allow the tower to operate at optimum efficiency and throughput

High degree of randomness

Consistent ratio of free and blocked passages, independent of orientation

Large Surface area: volume ratio augments the rate of liquid film surface renewal to improve mass transfer



HOLD-UP and TWO-PHASE CONTACT

Promotes highly efficient two-phase contact and distribution

A relatively high liquid hold-up promotes high absorption efficiencies, especially where the reaction rates are slow

Uninterrupted and consistent passages for gas and liquid flow



VERSATILITY

Open, cross linked design provides a highly efficient use of the ring's surface area

Robust to variations in liquid and vapour distribution



HIGH MECHANICAL STRENGTH

The cross structure of diametrical spars make it mechanically robust and suitable for use in deep packed beds

THERMOPLASTIC PALL RINGS – DATA TABLE

P-Series	Packing Size/mm	Free Space/%	Specific Surface Area/(m ² /m ³)	Number Per Unit Volume/(no./m ³)	Packing Factor/(m ⁻¹)	Specific Weight/(kg/m ³)		
						PP	PVDF	PVC
16	16	88	320	213,000	315	110	198	165
25	25	91	209	49,360	176	69	128	107
38	38	94	127	12,120	107	52	99	82
50	50	95	100	5,960	80	45	84	70
90	90	96	59	1,090	51	42	67	56