



FROM IT'S INCEPTION IN 1993 AND STILL TODAY, RACELINE OIL PUMPS HAVE INCORPORATED THE FOLLOWING QUALITY FEATURES IN EVERY DRY SUMP PUMP THEY MAKE.

BYPASS SYSTEM

Unlike conventional oil pumps that continually recycle the oil within the pressure stage, Raceline's by-passed oil is routed through the hollow idle shaft and then dispersed into the scavenge stages, where it is pumped back to the oil tank.



SINGLE STAGE

PN	WIDTH
1101	1.050"
1102	1.200"
1103	1.350"

THRUST PLATES

Raceline alone, uses micro-ground thrust plates at both ends of each gear section. This makes possible the use of bearings between each section, and protects the more expensive parts from damage caused when gears wear against aluminum. Pressure pockets machined in the plates relieve built pressure between the gears as they mesh.



TWO STAGE

PN	PRESSURE	SCAVENGE
1201	1.050"	1.200"
1204	1.200"	1.200"

THREE STAGE

PN	PRESSURE	SCAVENGE	SCAVENGE
1302	1.200"	1.200"	1.200"
1303	1.200"	1.450"	1.450"
1312 (c)	1.050"	1.450"	1.450"
1313	1.050"	1.050"	1.050"

(c) - Cam Drive Pump

INTERNALLY PORTED

Raceline's unrestricted internal porting completely eliminates the need for an expensive and cumbersome external manifold.



DRIVE SHAFT BEARINGS

Raceline uses precision ball bearings between each gear section to assure absolute alignment and prevent the shaft flex common to pumps that use only front and rear bearings. Shaft flex is a common cause of pump failure from the gears coming in contact with the housings.



FOUR STAGE DRIVE

PN	PRESSURE	SCAVENGE	SCAVENGE	SCAVENGE
1402	1.200"	1.200"	1.200"	1.200"
1403	1.200"	1.450"	1.450"	1.450"
1412	1.050"	1.450"	1.450"	1.450"
1413	1.050"	1.050"	1.450"	1.450"
1417(c)	1.050"	1.050"	1.450"	1.450"
1420	1.200"	1.050"	1.350"	1.350"

(c) - Cam Drive Pump

OFFSET INLETS

Raceline's pumping stages have 9-degree off-center hose connection inlets. They can be positioned 18-degrees apart for easier hose alignment and wrench access.



FIVE STAGE

PN	PRESSURE	SCAVENGE	SCAVENGE	SCAVENGE	SCAVENGE
1504	1.200"	1.050"	1.200"	1.200"	1.200"
1513	1.050"	1.050"	1.200"	1.200"	1.200"
1514	1.050"	1.200"	1.200"	1.200"	1.200"
1519*	1.050"	1.050"	1.450"	1.350"	1.350"
1524	1.050"	1.050"	1.450"	1.350"	1.350"
1526*	1.050"	1.050"	1.200"	1.200"	1.200"

* Requires Power Flo™ Remote Bypass Unit

ADDITIONAL RACELINE FEATURES:

- Larger gear diameter and center distance.
- Cell-to-cell dowel pin alignment.
- O-ring sealed housings.
- Hardened and ground drive shaft.
- Hardened and ground idle shaft.
- No rear bearing cap plug.
- 5/16" Stainless steel housing shafts.

Above are standard pump configurations. Other configurations are available. Call for information.

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www.racelinepumps.com