The Wittig RFL102



Compared to the RFL100

Still provides the solid Wittig performance you've come to expect, In a more compact and cost effective package

- Overall performance specs identical to the RFL100.
 - Capable of 24" Hg vacuum continuously.
 - Free air delivery of 417 ACFM, Vacuum delivery of 309 ACFM at 24" Hg
 - Draws as little as 12.1 HP at 24" Hg vacuum
 - Pressure operation to 29 PSI
- More cost effective than the RFL100.







Dimensions

- Overall length is shorter than the RFL100 by ~1/2"
- Feet are now on a 7.48" base instead of a 13" base
- New, improved, much more compact inlet/exhaust manifold and 4-way valve.
- Same width as RFL100 body without the need for the wide manifold.
- Module is the same height as the RFL100 body

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Mounting Versatility

The Wittig RFL102 is the only truck pump built to be mounted in a horizontal flow orientation, allowing placement inside the framerail.







Efficiency – Move more waste with less diesel



Efficiency in ICFM/HP at 1500 rpm

- At 20" Hg vacuum, the RFL102 can move 2.5 CFM more air per horsepower drawn than the competition
- This is a 16% increase in efficiency, which directly translates to lower diesel consumption while pumping
- Running 3 hours per day, 261 days a year, at a diesel cost of \$3.15/gal will save you \$275 per truck per year.



Inlet Flow – Move more air at vacuum, Move more water.

- RFL102 boasts an absolutely monstrous 119 ICFM edge over the competition at 15" Hg vacuum during continuous operation.
 - 44% faster
- RFL102 is 108 CFM faster at 20" Hg as well
 - 43% faster
- Even when comparing at the same run speed, which is non-continuous for the competition, the RFL102 is 57 CFM faster at 15" Hg.
 - 17% faster.







Oil Consumption

- The RFL-102 sips a meager 5.1 ounces of oil per hour
- Competitors recommend wasting as much as 15 ounces per hour through their machines!
- Slash your seal oil expenses by 66%
 - Saving 10 oz per hour, 3 hours per day, 261 days a year saves \$1,530 per truck per year.
- 66% less oil to manage onsite, allowing you to lower incidences of oil spills and their requisite cleanup costs.





Maximum Continuous Vacuum

- Pressure difference, or 'Head', as it's called, is what drives fluid from a tank, through your hose, into your truck
- More vacuum in the tank means more pressure difference, means faster fills
- The RFL102 is rated to run continuously at 24" Hg vacuum, and intermittently to 27" Hg.
- The industry standard is 20" Hg.
- 4" Hg = 54.4" H2O, get an extra 4.5 feet of head with the RFL102.





How much does 4" Hg matter, really though? Easy case.



- 20" Hg = 22.7 ft WC
 - When pumping from Ground level to the top of a 10 foot tank at this pressure, the effective head is 17.7 ft
 - At this head, flowrate through a 2" orifice is ~174.55 GPM
 - An 8,000 gallon fill would take 46 minutes.

- 24" Hg = 27.19 ft WC
 - When pumping from Ground level to the top of a 10 foot tank at this pressure, the effective head is 17.19 ft
 - At this head, flowrate through a 2" orifice is
 204 GPM
 - An 8,000 gallon fill would take 39 minutes.



More realistically, though....



20" Hg = 22.7 ft WC

- When pumping from the bottom of a 3 ft deep vessel sitting 6 ft below grade, the effective head is 3.7 ft
- At this head, flowrate through a 2" orifice is
 92 GPM
- An 8,000 gallon fill would take 1 hour, 27 minutes.

24" Hg = 27.19 ft WC

- When pumping from the bottom of a 3 ft deep vessel sitting 6 ft below grade, the effective head is 8.19 ft
- At this head, flowrate through a 2" orifice is about 140 GPM
- An 8,000 gallon fill would take **57 minutes.**

4" Hg can cut 30 minutes from an 8,000 gallon fill!!



Packages

- Gardner Denver is proud to be partners with some of the worlds finest vacuum equipment packagers
- We are ready, willing, and more than happy to work with you and them to design a completely custom package to meet the unique needs of your fleet





Wittig – THE Quality benchmark for over 100 years.

While other brands may be cheaper upfront, WITTIG will offer return on investment year over year, job after job.

- Complete Jobs Faster
- Consume less Fuel
- Consume less Oil
- Leave fewer oil spots
- Power through tough clogs and deep draws



The Wittig RFL102 is the clear and obvious choice for the Fuel, Time, and Expense conscious fleet owner.

