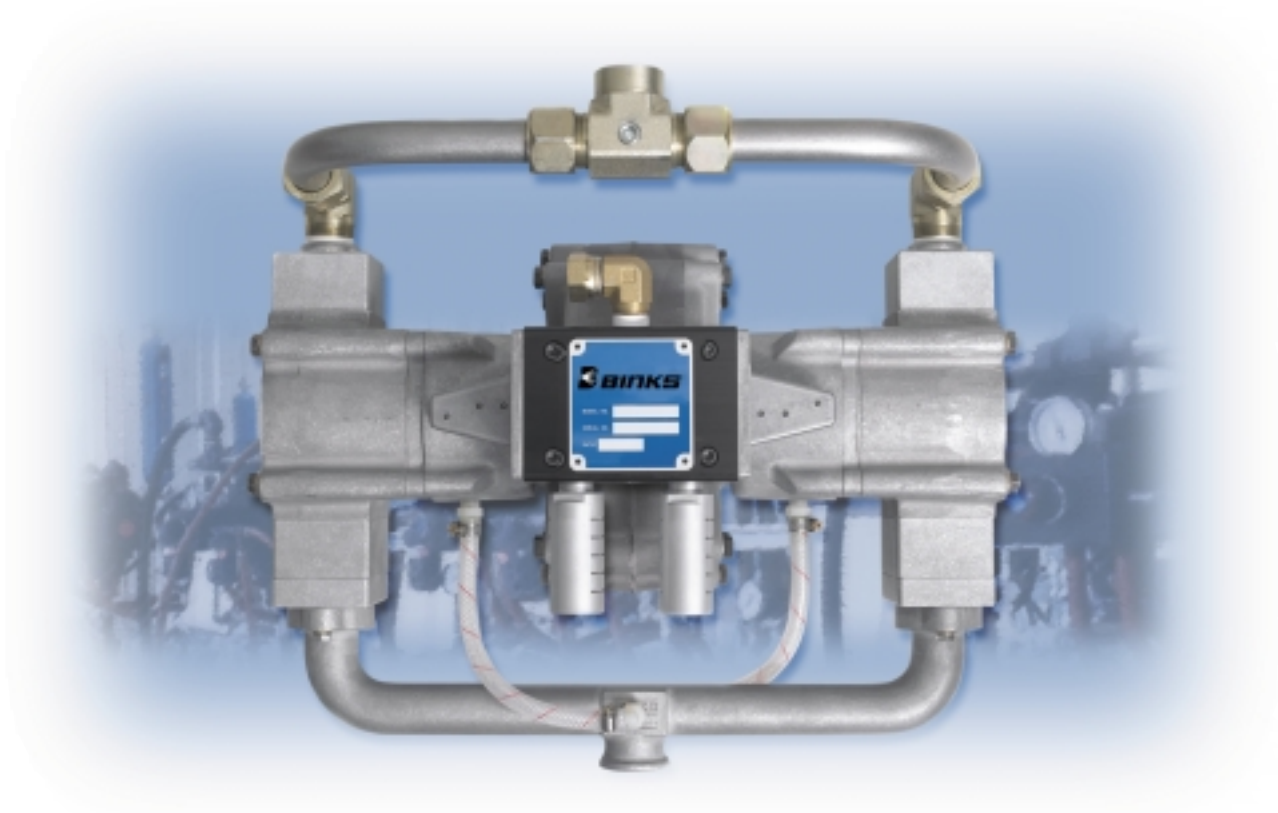


BINKS®

A41-78-R3



EXEL™ Pump Series



EXEL™ Pumps

Features and Benefits

- Pilot valves have no springs
- Air logic is totally enclosed. No external hosing or fittings.
- Ideal for highly filled, abrasive, "Tough-to-Pump" thixotropic materials.
- Cartridge pilot and spool valve easily unbolt for service.
- At approximately the same rate of air consumption, EXEL™ pumps can deliver significantly more fluid than other horizontally opposed piston pumps.
- Simple maintenance, easily accessible for parts replacement.
- Self-priming.
- Choice of aluminum or stainless steel wetted parts.
- Can be floor, wall, or drum mounted.
- Hard chrome plated stainless steel pistons with pressure loaded wiper seals means longer life with less maintenance.
- Straight through flow path.

Designed to meet industry's demand for durable, dependable pumps, the four models in the Binks EXEL™ pump line deliver from 2.57 to 6.85 GPM at 60 cycles per minute, significantly more fluid than other horizontally opposed pumps at the same rate of air consumption. The EXEL™ pumps contain two opposed reciprocating pistons that have a displacement chamber, but no cylinders, and utilize four-ball checks. The EXEL™ pumps are equipped with pressure loaded wiper seals. This unique design eliminates the frequent maintenance of Chevron "vee" packings and piston cups most often associated with vertical piston pumps.

Hard chrome plated stainless steel pistons are standard on all EXEL™ pumps. Due to their design and rugged construction, all the EXEL™ pumps can run for long periods with very little maintenance or downtime. (An EXEL™ pump was field tested for a period of seven months. During that time, it pumped over 1 million gallons of fluid material without breakdown and showed only minimal wear).

EXEL™ pump models are available for use with either air or air-assisted applications, depending on the pressure ratio required and the viscosity of the material being pumped. All the EXEL™ pumps can be floor, wall, or drum mounted.

EXEL™ Pumps	4.5 : 1 Ratio	12.0 : Ratio
Aluminum Model	41-27045	41-27120
Stainless Steel Model	41-17045	41-17120
Max. Cycle Rate	60 cycles/min	60 cycles/min
Max. Fluid Delivery	6.85 GPM	2.57 GPM
Max. Air Inlet Pressure	100 psi	100 psi
Air Motor Diameter	7 1/4"	7 1/4"
Air Consumption/cycle @ 100 psi	0.467 SCFM	0.467 SCFM
Air consumption/60 cycles @ 100 psi	28 SCFM	28 SCFM
Air Inlet Size	1/2" NPS (f)	1/2" NPS (f)
Fluid Inlet Size	1" NPT (f)	1" NPT (f)
Fluid Outlet Size	1" NPT (f)	1" NPT (f)
Part Sheet Number	2576	2622
Shipping Weight	Aluminum: 72 lbs Stainless Steel: 102 lbs	77 lbs 110 lbs

Typical Applications

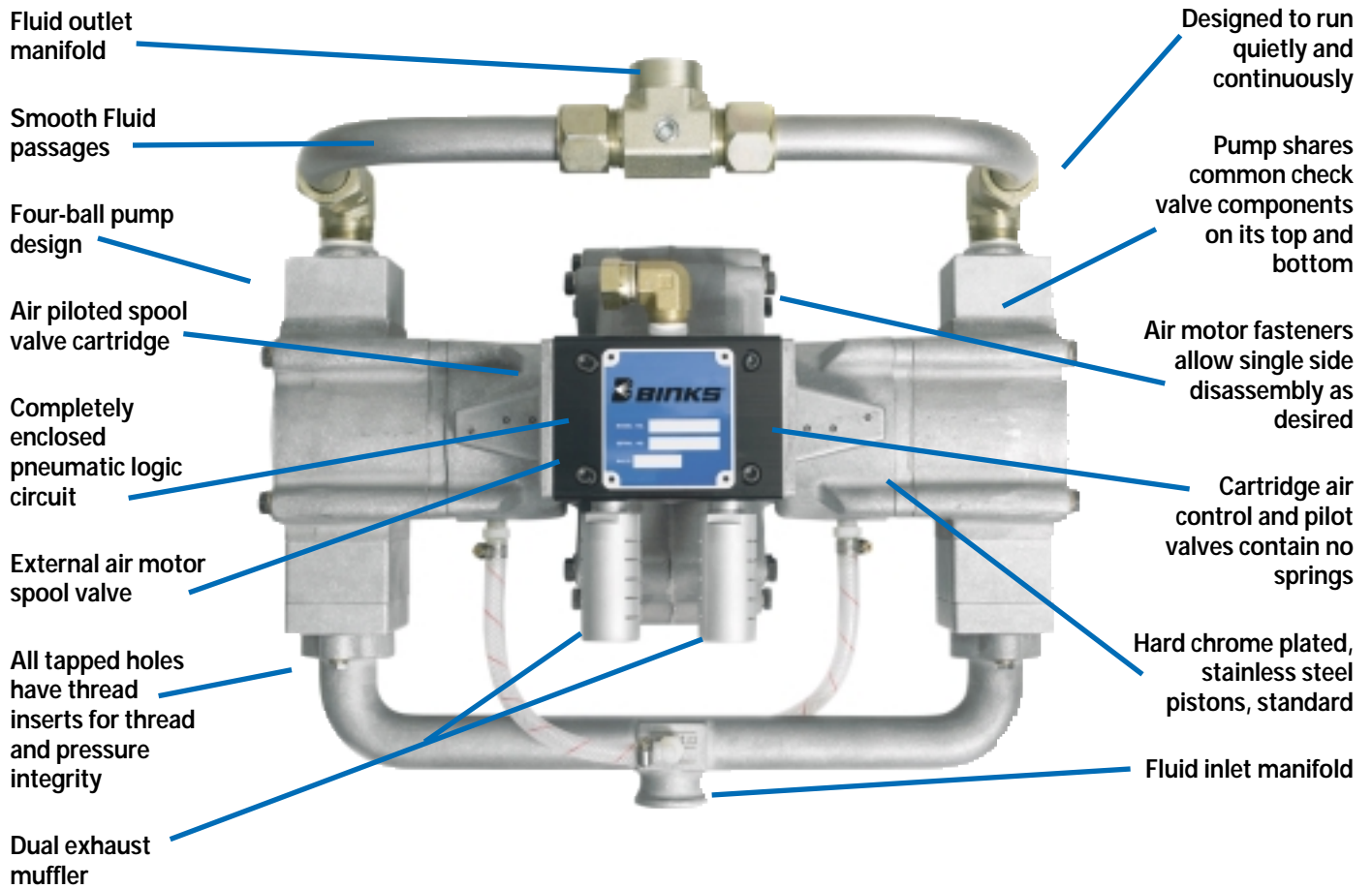
- Air spray and HVLP supply pump
- Circulating systems
- Air Assit Airless

Typical Fluids Handled

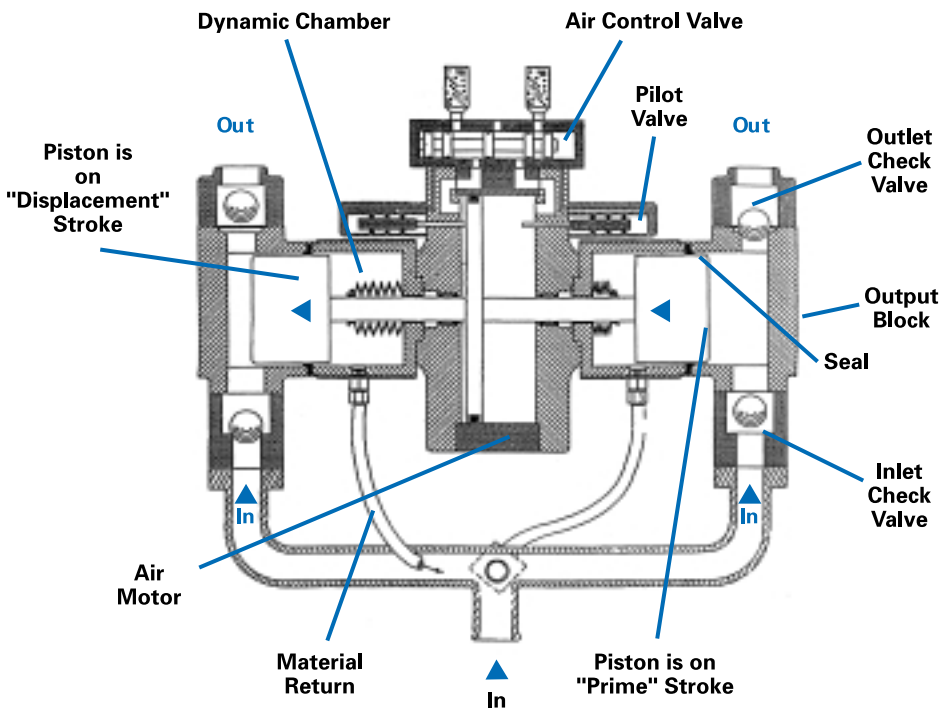
- Catalyzed coatings
- High solids coatings
- Abrasive materials
- Solventborne and waterborne fluids
- Moisture sensitive materials
- UV-cure coatings
- And more

The Binks EXEL™ Pump can be ordered in either aluminum or stainless steel. The aluminum version of the EXEL™ can be used with many of today's popular materials and coatings. The stainless steel version of the EXEL™ provides users the ultimate in durability and corrosion resistance.

The design and construction of the Binks' EXEL™ pump allows it to be used in a wide variety of circulating systems and other applications.



■ One of the most outstanding design features of the EXEL™ pump is its straight through flow path. The inlet and outlet ports are inline which allows the EXEL™ to deliver material without imparting excess shear to it in the process. This makes the EXEL™ the pump of choice for delivering shear-sensitive material in circulating systems where a mechanical ratio greater than one is required.



Simplified EXEL™ Pump Cross-Section

All EXEL™ Pumps Include:
Bracket for wall mounting,
135-74 Grounding Kit

Optional - 41-3198 Bracket for
cover/shelf mounting

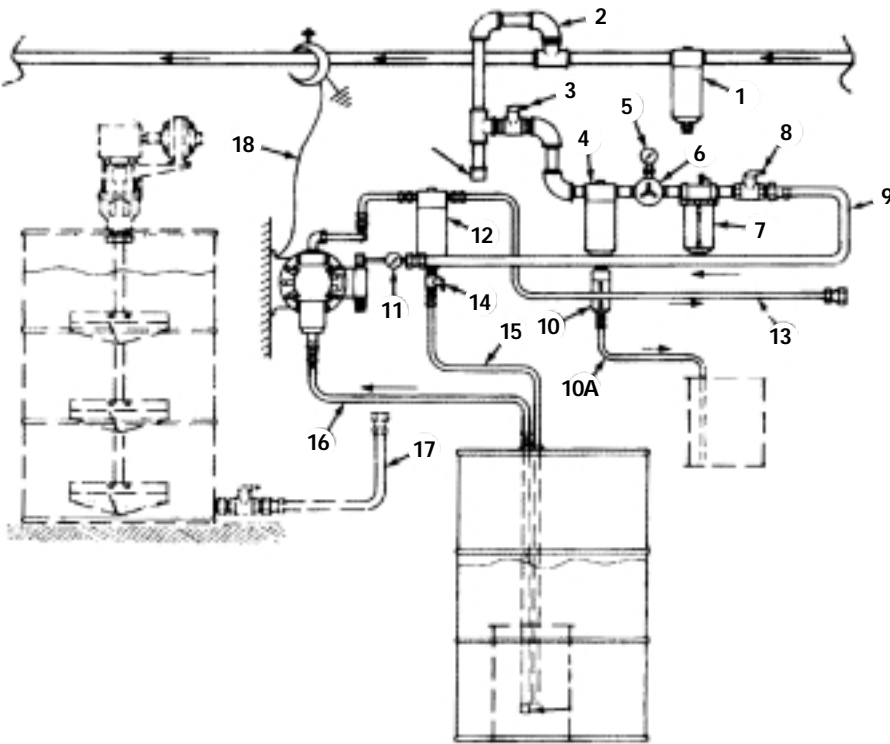
Repair Kits
(sold separately):

41-37042 Seal Kit, Control Valve
41-37043 Seal Kit, Pilot Valve

207-11992 Seal Kit, Pump (4.5:1) only
207-11993 Seal Kit, Pump (12:1) only

Recommended Air Control:
41-3189 Wall mounted. Includes
regulator, oil/water extractor and
airline lubricator.



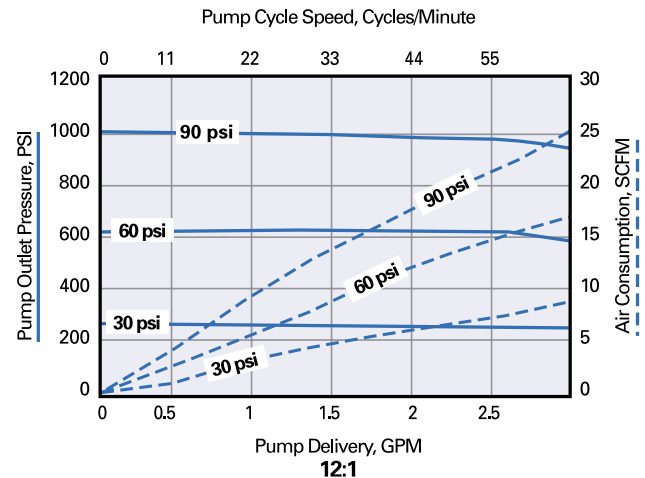
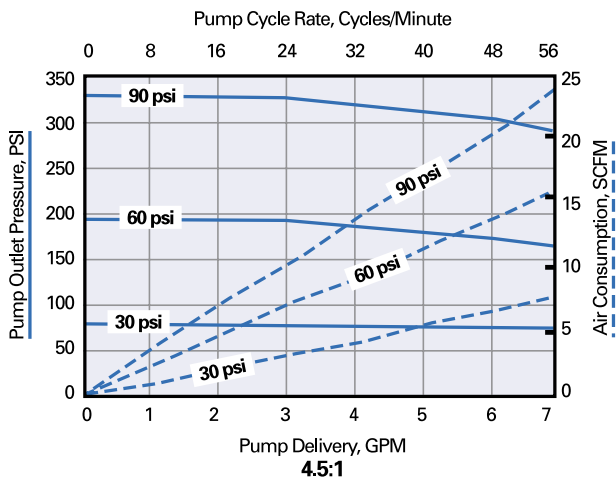


Typical Installation

1. Oil-water extractor
2. Piping circuit to avoid scale and resolve
3. Air valve bleed type master
4. Oil-water extractor
5. Regulated air pressure gauge
6. Air regulator self relieving
7. In-line oiler
8. Air valve bleed type shut-off
9. Grounded air supply line
10. Automatic drain
- 10A. Automatic drain-away hosing
11. Pump protector device
12. Outlet filter
13. Grounded fluid line
14. Pressure relief-drain valve
15. Pressure relief-drain hosing
16. Siphon tube hosing with spring guard (optional)
17. Hosing/piping from gravity supply (optional)
18. Ground wire connected to ground source

Dependability

In pumping over one million gallons, these durable pumps ran continuously, 24 hours/day, seven days per week with virtually no maintenance required.



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4/02 A41-78-R3

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