

BINKS RAM UNITS

Features

- Wide choice of pumps, follower plates and pneumatic rams, optimise Ram Unit applications.
- Units to suit industry standard 20, 30, 60, 120 and 205 Litre containers.
- Dual-seal follower plates as standard reduce material wastage.
- Choice of pneumatic rams on 205l model:
Φ80mm (DR205) for high pressure duty and Φ160mm (DRX205) for extreme duty.
- Incorporate Binks highly respected MX high pressure pumps giving trouble free operation and long working life.
- Stainless steel pump fluid section housing as standard with choice of ball-check or chop-check inlet.
- Wide choice of pump ratios from 15:1 to 60:1 (ball-check) and 5:1 to 68:1 (chop-check).
- Patented Binks low-ice air motors give reliable, non-stop performance.

Specifications

Item		
Maximum Working Air Pressure		0.6 MPa (87 psi)
Air Inlet		1/2" BSP (F)
Ram Stroke	SR20	410 mm (16")
	DR20	688 mm (27")
	DR205	960 mm (37.8")
	DRX205	960 mm (37.8")
Unit Height - Fully Extended	SR20	1242 mm (49")
	DR20	1750 mm (69")
	DR205	2550 mm (100")
	DRX205	2550 mm (100")
Wiper Ring Material	SR20	EPDM / PU
	DR20	EPDM / PU
	DR205	EDPM
	DRX205	EDPM
Weight without Pump	SR20	55 kg (121 lbs)
	DR20	130 kg (286 lbs)
	DR205	212 kg (466 lbs)
	DRX205	212 kg (466 lbs)

BINKS Ram Unit Packages

Our ram units are built on 3 rugged chassis sizes. The 500mm × 350mm single post chassis for the SR20, the 710mm × 460mm dual post chassis for the DR20, 30 and 60 units and the 915mm × 60mm chassis for the DR205 and DRX205 units.

- **SR20** Single Post Ram Unit with Φ80mm pneumatic rams and 20l / 5 US Gallon Follower Plate. 6 pump options. Trolley mounted version available
- **DR20** Dual Post Ram Unit with Φ80mm pneumatic rams and 20l / 5 US Gallon Follower Plate. 13 pump options
- **DR205** Dual Post Ram Unit with Φ80mm pneumatic rams and 205l / 55 US Gallon Follower Plate. 23 pump options
- **DRX205** Dual Post Extreme Duty Ram Unit with Φ160mm pneumatic rams and 205l / 55 US Gallon Follower Plate. 23 pump options

Binks Ram Units are a tough, hard-working, high performance range of single and dual post Rams.



Overview

Binks' new range of Ram Units offer a rugged, reliable and high performance solution for the delivery of medium and high viscosity materials in both standalone and system applications. These durable units are built to last and will give long, trouble free performance offering continuous production whilst keeping overall cost of ownership down.

Binks Ram Units provide the ideal delivery solution for materials such as lubricants, mastics, adhesives, epoxies and sealants. They deliver a constant, low pulse flow of material to the dispensing tool by ensuring correct priming of the pump and preventing material cavitation. The range of single and dual post units are designed to accommodate industry standard material containers from 20l to 205l. The twin seal follower plates accurately fit the container, cleaning the inside as it descends and keeping wastage to a minimum.

Our Ram Units incorporate the highly regarded Binks MX range of high pressure piston pumps. These solidly built pumps have a reputation for durability, reliability and long life and are available with a choice of ball-check or chop-check fluid inlets. Complete Binks Ram Units include an easy-use pneumatic control box with 'up/down' switch, auto shut off when the container is empty and a release valve to 'break' the suction seal when lifting the ram plate clear of the used material. Optional extras include an automatic 'change-over' switch for use with two Ram Units on duty / standby mode.

Example Model Number

= 20/ Dual Post Ram with
MX11568 Chop Check pump

RAM TYPE

Single post (SR), Dual
post (DR) and extreme
duty (DRX)

DRUM VOLUME (Litre)

20/200

FOLLOWER PLATE SEAL MATERIAL

EDPM (E) or
Polyurethane (P)

RAM SECTION

DR 20 E

PUMP SECTION

-MX 115 68 PU - S M X

PUMP FLUID OUTPUT / CYCLE (cc/cycle)

68/115/122/190/200/220/
420/440/860/880

PUMP RATIO

Ball Check Pumps

15:1 / 18:1 / 22:1 / 23:1 / 30:1 / 35:1 / 41:1 /
46:1 / 60:1

Chop Check Pumps

5:1 / 12:1 / 18:1 / 23:1 / 24:1 / 30:1 / 33:1 /
39:1 / 43:1 / 46:1 / 66:1 / 68:1

INLET VALVE TYPE

Ball-Check (B) or
Chop-Check (X)

PACKING ADJUSTMENT

Manual (M) only

PUMP ROD MATERIAL

Nitrided Carbon Steel (C) or
Ceramic Coated Stainless (S)
Steel

PUMP PACKING MATERIAL

PTFE & UHMWPE (PU)



Patented anti-stall, magnetic
detent technology with quick
exhaust valves give 'no-ice'
operation for uninterrupted
production.

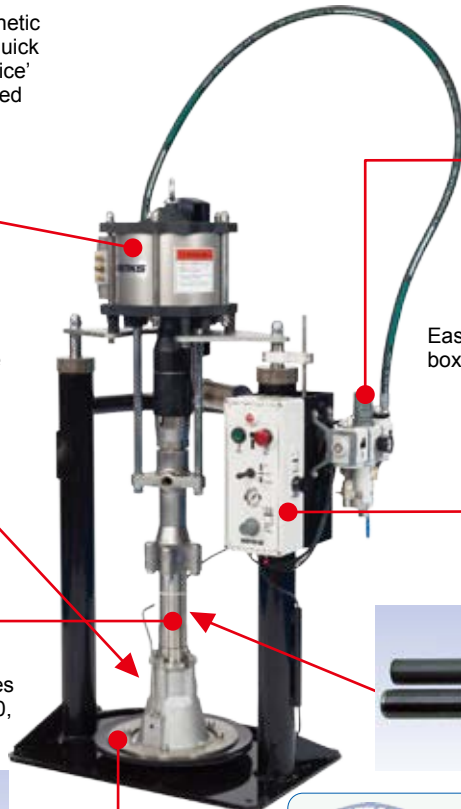


Follower plates include
priming port and release
valve for fast container
change-over

Choice of ball-check
(left) or ChopCheck
(right) inlet valve
configuration.



Dual-seal follower plates
for industry standard 20,
30, 60 & 205 litre
containers.



Pump air control



Easy to use Ram control
box for simple operation.



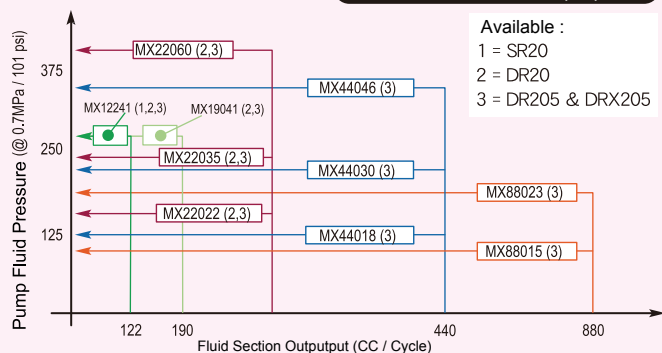
Nitrided carbon steel pump
rod (top) Ceramic coated
stainless steel (bottom) for
greater durability (see below).



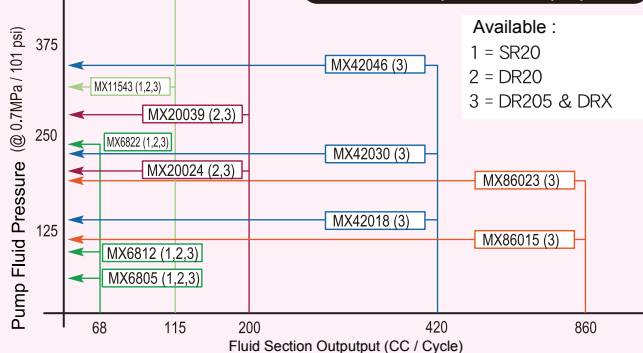
Independent trials have verified that
Ceramic-Coated stainless steel pump pistons
provide the most durable surface available for
resisting wear from highly abrasive fluids,
whilst reducing friction and extending the
pump packing lifecycle.

BINKS Ram Units / Compatible Pump Specifications

Ram Unit Ball-Check Pump Options



Ram Unit Chop-Check Pump Options



* For improvement purposes, Design & Specifications may change without prior notice.

BINKS®

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