



Material supply

High viscosity material supply

Product families

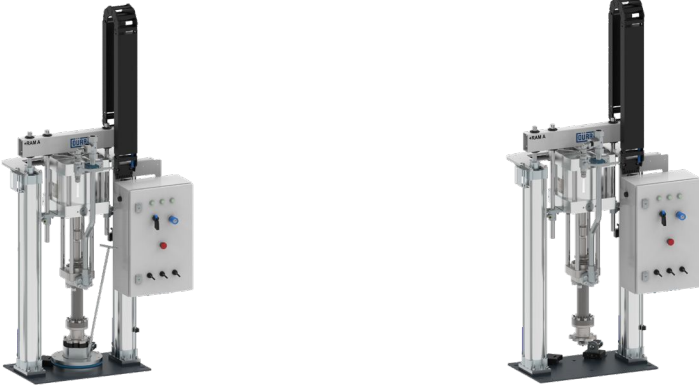
EcoRAM – high viscosity material supply

EcoPump VPS – air operated vertical shovel plate pump Pressure regulators

EcoRAM

High viscosity material supply system

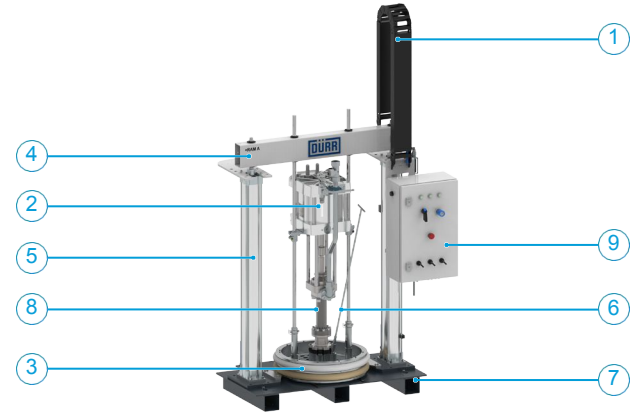
This drum press can be ordered with our shovel plate pump EcoPump VPS. It is the perfect material supply system for high viscous 1K material from the original barrel.



PRODUCT LINE		
	EcoRAM 60	EcoRAM 60 w/o plate
Max. dimensions [HxWxL]	695x420x2,013 mm (depends on the config.)	695x420x2,013 mm (depends on the config.)
Max. height barrel	2,437 mm (96")	2,437 mm (96")
Compressed air – required pressure	5.5 - 8.0 bar	5.5 - 8.0 bar
Pump typ	EcoPump VPS 210 360 SST PE	EcoPump VPS 210 360 SST PE
Max. fluid pressure	360 bar	360 bar
Displacement	210 cc/cyc	210 cc/cyc
Ratio	72:1	72:1
Flow rate @ rec. Cycles	1.7 l/min	1.7 l/min
Recommended cycles	8 cyc/min	8 cyc/min
Plate material	Aluminium cast and PU	Aluminium cast and PU
Heated version	Optional	Optional
Diameter barrel	279mm or 356mm	without plate *

* plate sold as accessories

TECHNICAL ILLUSTRATION



1 Power chain, 2 Pneumatic motor, 3 Follower plate, 4 Lifter, 5 Pneumatic cylinders, 6 Ventilation bar, 7 Ground plate with undercut, 8 Fluid section, 9 Control cabinet

CUSTOMER BENEFITS

- ➔ To supply high viscous material from 20 l barrels and up to 200 l barrels
- Two lift cylinders for an exact guidance and a constant power transmission
- Different follower plates for several barrel types
- Simple and compact 2-handed pneumatic control system
- Combine 2 EcoRAMs for Double RAM system
- Heated version available
- Different barrel supports available

EcoRAM

coming soon

High viscosity material supply system



PRODUCT LINE

	EcoRAM 200	EcoRAM 200 w/o plate
Max. dimensions [HxWxl]	1,120x1,443x2,334 mm	1,120x1,443x2,334 mm
Max. height barrel	2,886 mm (114")	2,886 mm (114")
Compressed air – required pressure	5.5 - 8.0 bar	5.5 - 8.0 bar
Pump typ	EcoPump VPS 210 360 SST PE	EcoPump VPS 210 360 SST PE
Max. fluid pressure	360 bar	360 bar
Displacement	210 cc/cyc	210 cc/cyc
Ratio	72:1	72:1
Flow rate @ rec. Cycles	1.7 l/min	1.7 l/min
Recommended cycles	8 cyc/min	8 cyc/min
Plate material	Aluminium cast and NVC	Aluminium cast and NVC
Heated version	Optional	Optional
Diameter barrel	571 mm	without plate *

* plate sold as accessories

FOLLOWER PLATES



	EcoRAM 60, EcoRAM 200	EcoRAM 200
Overview	diameter 279mm cold diameter 279mm warm diameter 285mm cold diameter 285mm warm diameter 305mm cold diameter 305mm warm diameter 356mm cold diameter 356mm warm	diameter 571mm cold diameter 571mm warm (1 sealing) diameter 571mm warm (2 sealings)

High viscosity material supply system

ACCESSORIES



	Roller conveyor short	Roller conveyor long	Distributor	Support distributor
Compatible product	EcoRAM 200	EcoRAM 200	EcoRAM 60, EcoRAM 200	EcoRAM 60, EcoRAM 200
Usage	Easier barrel loading and unloading	Easier barrel loading and unloading	Connecting two material hoses together (for Double RAM function)	For hose and distributor attachment (recommended for Double RAM function)



	Undercut	Hoses	Heating device	Heating cables
Compatible product	EcoRAM 60	EcoRAM 60, EcoRAM 200	EcoRAM 60, EcoRAM 200	EcoRAM 60, EcoRAM 200
Usage	Accessible with lifting unit	Warm and cold versions Diameters: DN12, DN16, DN20, DN25 lengths: 2m,3m,4m,5m,6m	8 different heating zones, max. 11kW	length: on request (up to 10m)

EcoPump VPS

Air operated vertical shovel plate pump

The **EcoPump VPS** is an air operated shovel plate pump for medium to high viscosity fluids as glues, oils or wax. Its modular design allows an easy maintenance and with its optimized fluid part the material will be pumped considerably. The proven design and a long term durability make these pumps the perfect choice in the high viscosity application.



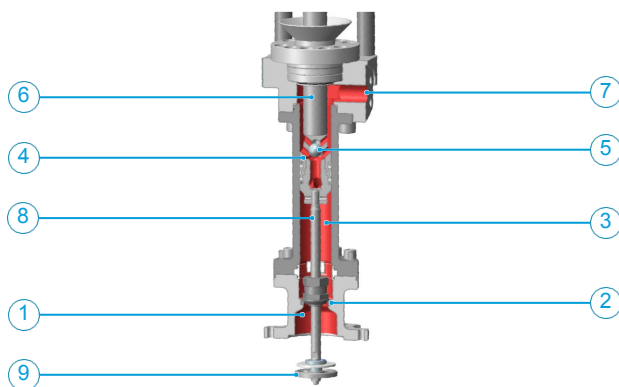
Watch product video



PRODUCT LINE

	EcoPump VPS 210 360 SST PE	EcoPump VPS 210 360 SST PE/PU
Part No.	N24270004	N24270005
Weight	51.0 kg	48.5 kg
Connector inlet / outlet	Flanged screw fitting / SAE Flange	Flanged screw fitting / SAE Flange
Connector air	G3/4" (female)	G3/4" (female)
Displacement	210 cc/cyc	210 cc/cyc
Ratio	72:1	72:1
Max. fluid pressure	360 bar	360 bar
Flow rate @ rec. Cycles	1,7 l/min	1,7 l/min
Recommended cycles	8 cyc/min	8 cyc/min
Max. air pressure	5.0 bar	5.0 bar
Sealing	PE	PE/PU

TECHNICAL ILLUSTRATION



1 Material inlet, 2 Suction ball seat, 3 Material suction chamber, 4 Piston ball seat, 5 Material outlet chamber, 6 Upper piston, 7 Material outlet, 8 Lower piston, 9 Shovel plate

ACCESSORIES



	Pump stroke sensor	Feed tank
Compatible product	EcoPump VPS 210 360 SST PE	EcoPump VPS 210 360 SST PE
Usage	Electrical sensor for predictive maintenance and energy consumption	For release agent

CUSTOMER BENEFITS



No exposed shaft seal

Stainless steel fluid

sections Modular pump

design

Easy to maintain

Pressure regulators

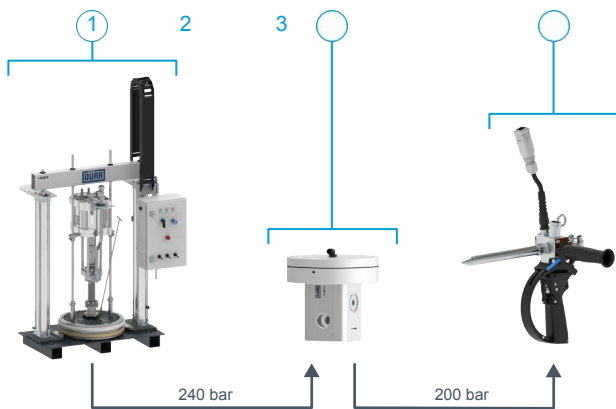
High pressure flow regulators

The **EcoFlow HPF** is a high pressure flow regulator designed to maintain downstream pressure in fluid supply systems. By controlling the media pressure to the required working pressure, connected applicators are protected against pressure surge and pulsation from the material supply, while maintaining the required pressure and flow characteristics for the application process. Typically handled materials are high viscous fluids such as mastics, sealers, pastes, adhesives or glues.



PRODUCT LINE		
	EcoFlow HPF P 310 5 G3/4" ALU	EcoFlow HPF P 310 5 G3/4" SST G1/2"
Part No.	N26070021	N26230002
Operation	Pneumatical	Pneumatical
Connector inlet / outlet	G3/4" (female)	G3/4" (female)
Connector air	Push-in 6 mm	Push-in 6 mm
Max. fluid pressure	310 bar (4,495 psi)	350 bar (4,495 psi)
Control range of flow rate	20-310 bar (290-4,495 psi)	20-310 bar (290-4,495 psi)
Max. flow rate	5.0 l/min (1.32 gal/min)	5.0 l/min (1.32 gal/min)
Material housing	Aluminium	Stainless steel
Parts contacted by media	Aluminium	Stainless steel
Field of use	Sealing, gluing	Sealing, gluing

TECHNICAL ILLUSTRATION



1 EcoRAM unit, 2 Pressure flow regulator, 3 Manual sealing gun

CUSTOMER BENEFITS



large regulation range at high flow rate

Pneumatic or manual variant available

Sensitive precision control

Excellent dynamics during pressure changes

100% tight sealing function

Compact dimensions

High performance diaphragm

Easy to maintain

Tested according to Dürr quality standards