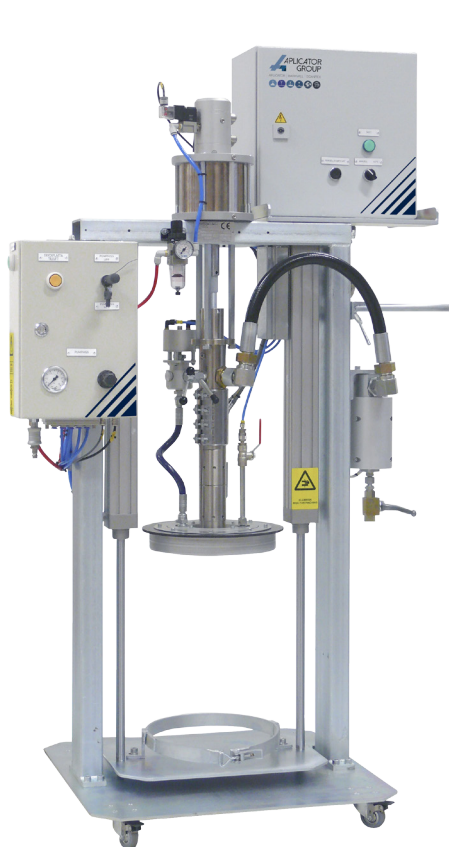




High Viscosity Pumps Warm Melt (HVP WM)

– One Component System



HVP200WM



HVP400WM

The Warm Melt range is based on the Scanrex HVP range of systems for cold pumpable adhesives & sealants. Designed for materials that need additional temperature conditioning to control/reduce viscosity accordingly or to initiate the pre cure chemical cycle with heat.

The systems can be both manual as well as fully automatic. Both are easy to operate and maintain. The Scanrex Warm Melt pump program uses an air driven double acting piston pumps for pumping high viscosity materials directly from 20 to 200L original containers.

The pump are equipped with heating features to heat and maintain materials at temperatures up to 150°C. Main areas of use are Adhesive and Sealing compounds that need to be heated during application, i.e. Polyurethane, Epoxy and Butyl.

The robust design of the pump provides rugged dependability and ease of maintenance.

Different models of Scanrex HVP Warm Melt (HVP WM)

		
<p>HVP 200 WM 20L Basic warm melt pump for 20 litre pails. On/Off and temperature is controlled by a control system.</p> <p><i>Heat elements:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body 	<p>HVP 200 WM 20L Warm melt pump for 20 litre pails. Standalone solution with PID regulators for heat control and dosing gun with docking station.</p> <p><i>PID regulated heating for:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body - Hand held dosing gun - Docking station <p><i>Options:</i></p> <ul style="list-style-type: none"> - Separate operation stations - Custom length hose set - Extra load station at pump 	<p>HVP 200 WM 20L Warm melt pump for 20 litre pails. On/Off and temperature is controlled by a control system.</p> <p><i>Heat elements in:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body - Material filter
		
<p>HVP 200 WM 200L Warm melt pump for 200 litre pails. On/Off and temperature is controlled by a control system.</p> <p><i>Heat elements:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body <p><i>Option:</i></p> <ul style="list-style-type: none"> - Recirculation valve for easy pressure relief 	<p>HVP 200 WM 200L Warm melt pump for 200 litre drums. Standalone solution with PID regulators for heat control and dosing gun with docking station.</p> <p><i>PID regulated heating for:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body - Hand held dosing gun - Docking station <p><i>Options:</i></p> <ul style="list-style-type: none"> - Separate operation stations - Custom length hose set - Extra load station at pump 	<p>HVP 400 WM 200L Warm melt pump for 200 litre drums. On/Off and temperature is controlled by a control system.</p> <p><i>Heat elements:</i></p> <ul style="list-style-type: none"> - Follower plate - Pump body

Different models of Scanrex HVP Warm Melt (HVP WM)



HVP 200 WM 20L

Warm melt pump for 20 litre pails. Standalone solution with PID regulators for heat control and double dosing guns with docking stations.

PID regulated heating for:

- Follower plate
- Pump body
- Hand held dosing gun
- Docking station

Options:

- Separate operation stations
- Custom length hose set
- Extra load station at pump



HVP 200 WM 20L

Warm melt pump for 20 litre pails. Standalone solution with PID regulators for heat control.

PID regulated heating for:

- Follower plate
- Pump body
- Equipped with Cartridge filler.



HVP 200 WM 20L WITH PLC SYSTEM

Warm melt pump for 20 litre pails. Stand alone solution with two dosing guns and docking station. PLC system for heat and dispense volume control.

- Standard gun size: 100 ml
- Loading/filling/docking station for 100 ml gun
- Heat element gun
- PLC control system

Options

- Custom length cables



DOSING GUN

Heated dosing gun with air hose – power/sensor cable.

- Standard size gun: 50 ml and 105 ml
- Nozzles with different outlet diameter
- Pneumatic operated pistol grip
- Air hose – power/sensor hose set in length up to 12 meters
- Quick connectors for air-power cable



Dosing gun work station for hand held dosing gun.

DOSING GUN

Heated dosing gun with docking station.

- Standard sizes gun : 50 ml and 105 ml
- Loading/filling/docking station for 50 ml or 105 ml gun
- Heat element gun
- Control box PID
- Control box Air

Options:

- Separate operation stations
- Custom length hose set



DOSING GUN FOR VOLUME CONTROL

Heated dosing gun with linear potentiometer for volume control, air hose - power/sensor cable.

- Standard size gun: 100 ml
- Linear potentiometer for volume measure
- Nozzles with different outlet diameter
- Electric operated gun with handle
- Air hose – power/sensor hose set in length up to 12 meters
- Quick connectors for air-power cable

High Viscosity Pumps Warm Melt

– One Component System

STANDARD EQUIPMENT

- Pump frame with control box
- Two-hand safety control
- Air bleed valve for the pump body
- Air hose connection
- Material hose connection
- Shaft sealing PTFE
- O-rings VITON
- Follower plate seal VITON
- Pump shaft: Hard chromed steel
- Valve seat/cone: Hardened tool steel
- Follower plate for different material packages: see graph.

MEASUREMENTS FROM:

	HVP 200 WM	HVP 400 WM
Weight:	150 kg	550 kg
Length/Width/Height:	650/650/1580 mm	1100/1250/3000 mm
Container height:	450 mm	1000 mm

Pneumatic work pressure:	3–6 bar, max 6 bar
Noise level:	<70dB (A)
Capacity:	Depending on pressure, material viscosity, hose length and hose diameter, see graph.

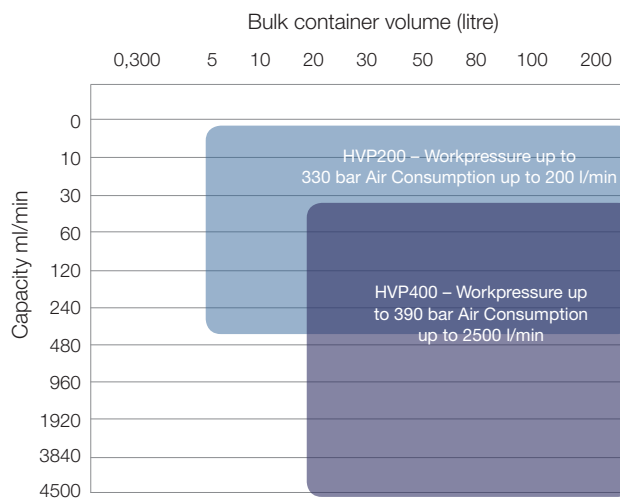
HEAT ELEMENTS

Location and electric power of elements are decided by needs.
Heat elements are available for:

	HVP 200 WM	HVP 400 WM
Connection:	400V, 16 A	400V, 16 A
Follower plate:	500W	2200W or 4000W
Pump body:	500W, 675W	1000W
Hoses:	100–300W/meter	100–300W/meter
Valves:	200W	200W
Base heat plate:	1000W–1500W	1000W–1500W
Heating band:	500W–1000W	500W–1000W
Filling station:	200W	200W
Dosing gun:	200–400W	200–400W

CONFIGURATION OPTIONS

- Pump body of acid proof stainless steel
- Valve seat/cone of hard metal
- Different materials used for the pressure plate sleeve depending on substance



ACCESSORIES

- Material pressure regulator
- Dispensing guns
- Dockable doser gun
- Material outlet block for pressure transmitter
- High pressure heated material hose in PTFE, custom length and diameter
- Pneumatic or electric start/stop of pump
- Foot pedal-pistol handle-solenoid valve
- Pressure transmitter for the pneumatic system
- Material level alarm; nearly empty/empty barrel
- PLC control unit

All data and characteristics mentioned in this booklet are by way of example only. Given flow capacities and material pressure are depending of; inlet air pressure, material viscosity, the hose dimensions and other equipment fitted after the pump outlet. Applicator Group reserves the right to modify the products without prior notice.



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