

Pumps

Pump solutions for any kind of application



Product families

EcoPump HP - air operated horizontal piston pumps

EcoPump HPE - electrical operated horizontal piston pumps

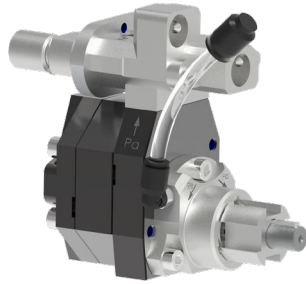
EcoPump VP - air operated vertical piston pumps **EcoPump VPS** - air operated vertical shovel plate pumps **EcoPump AD** - air operated diaphragm pumps **EcoPump9 GW** - gear wheel dosing pumps

EcoPump Packages - ready to use sets

EcoPump9 GW 20

Gear wheel dosing pumps

The **EcoPump9 GW** is a highly efficient gear wheel pump, cavity-free in a compact configuration, achieving a perfect color change with a very low purging time. It has been manufactured and tested in compliance to Dürr's well-proven quality standards. Based on decades of experience in the area of paint application, the **EcoPump9 GW** has emerged as the perfect device for 1K and 2K dosing of water and solvent-borne paint.



PRODUCT LINE	
	EcoPump9 GW
Part No.	N24190001V
Flow per revolution	0.45-4.5 cm ³
Min. / Max. speed	20 / 200 rpm
Connector inlet / outlet	Dürr paint fitting
Max. fluid pressure	20 bar (290 psi)
Dosing accuracy (+/-)	2.0%
Bypass	Optional
Overpressure valve	Optional
Pressure sensor	Optional
DIC coating	included in pump size 3 and 4.5 cm ³

CUSTOMER BENEFITS



low installation space required due to small footprint

Minimal purging time

Targeted purging of the shafts and bearing bore by patented wash-up system

Fast pre-paint bypass valve (with purgeable pump)

High stability due to patented construction

Usage of hardened stainless steel with DIC coating to reduce friction and abrasion

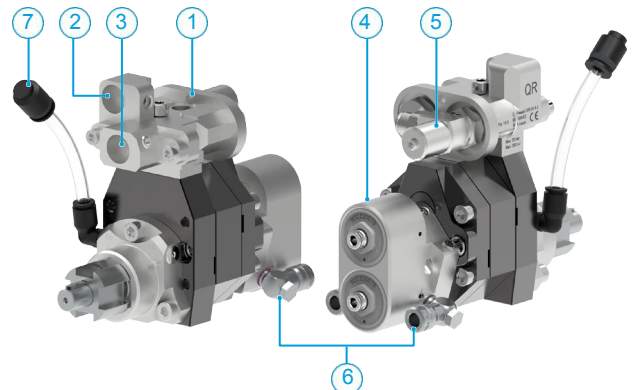
Modular pump concept
Quick disassembly of paint

hoses large operating range

Simplified service & maintenance

Tested according to Dürr quality standards

TECHNICAL ILLUSTRATION



- 1 Connection block, 2 Material outlet „PA“, 3 Material outlet „PE“,
4 Bypass block (optional), 5 Over pressure valve (optional),
6 Rinsing agent connection, 7 Check fluid receiver.

EcoPump9 GW 20

Gear wheel dosing pumps

ORDER CODE

EcoPump9 GW 20		Code	Option
Option	Code		
Maximum conveying capacity			Liquid seal
90 ml/min, not purgeable	045	W	Water purging agent
200 ml/min, not purgeable	100	M	Mesamol
400 ml/min, not purgeable	200	B	Butylglycol
600 ml/min, not purgeable	300	N	None
900 ml/min, not purgeable	450		Paint duct
600 ml/min, purgeable	F300	A	A-Channel
900 ml/min, purgeable	F450	B	B-Channel
Sensors pump			Spacer
Pressure sensors w. cable, IP	P	S	yes
Pressure sensors, High tension	HT	NS	No
None	N		Bypass
Paint pressure regulator		1H	yes (non purgeable pump)
1:1 max. 8 bar	8	H	yes (purgeable pump)
1:1 max. 8 bar ceramics	8C	N1H	No
2:1 max. 16 bar	16		
None	D13		



ACCESSORIES - GEAR WHEEL PUMPS

	Gear unit GW 20 w/o drive EC	Gear unit GW 20 w/o drive IC	Digital servomotor 0,8Nm 9000rpm	Digital servomotor 0,8Nm 9000U 2G	Digital servomotor 0,8Nm 9000U UL
Part No.	N10190001	N10190002	N23150057	N23150066	N23150067
Compatible pumps	all GW pumps	all GW pumps	all GW pumps	all GW pumps	all GW pumps
Description	Non-isolated transmission unit to connect servomotor with gear wheel pump. Suitable for external charge or solvent-borne installations.	Isolated transmission unit to connect servomotor with gear wheel pump. Suitable for direct charge installations.	Servomotor for actuation of gear wheel pumps.	Servomotor for actuation of gear wheel pumps. Ex certification.	Servomotor for actuation of gear wheel pumps. US certification.