



VARODRY VDi System

With integrated VAControl CAB
for smart pump down



Smart systems with integrated VAControl CAB!

**Easy maintenance:**

- Easy access to all pumps and parts at one place
- Easy belt access, no enclosure for quick maintenance
- Long bearing lifetime

**Smart control:**

- Intelligent software functions
- One controller to manage all processes

**Energy efficient:**

- Vacuum on demand
- Additional energy savings and equal wear with the Energy Saver Kit

**Process capable:**

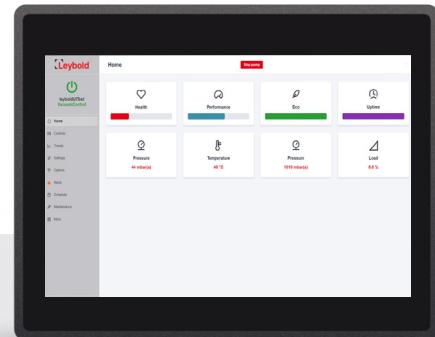
- Choose from different booster combinations
- With gas ballast and purge to adapt to different process needs
- Additional filter option for dusty applications

**Low TCO:**

- Low maintenance cost due to low spare part needs
- Extended maintenance intervals due to equal wear with Energy Saver Kit

**Performance Driven:**

- Strong pumping speed with additional booster power
- Performance on demand via intelligent software functions

**VARODRY VDi Systems for smart pump down:**

- Extra Roots to boost pump down
- Special software features for advanced application needs
- Targeted on end pressure

Versions:

- VD 200i+ booster
- VD 400i+ booster
- VD 400i+ Energy Saver kit for advanced energy savings

With integrated VAControl CAB for smart pump down

Smart control with VAControl CAB:

- Standardized products - ready-to-order!
- Intelligent pump systems with VAControl CAB
- One controller to manage all processes
- Pump data available from anywhere:
 - Local, remote or cloud connectivity
 - Data recording for best production quality
- Maintenance and service alerts for higher uptime
- Functions to enhance user experience:
 - Starts / Stops of multiple pumps
 - Pressure control
 - Cloud communication via GENIUS
- Direct control via various devices

...go digital today!



Smart pump down with VDi:

- More flexibility to adapt to your process needs
- Reduced process and maintenance costs
- Dry solution with higher pumping speed
- Reduced energy consumption to fulfill sustainability goals

Energy saver kit for VD 400i+

Create more value with intelligent software functions:



- Extra energy savings with the energy saver kit
- Significant cost of ownership reductions with intelligent energy saving procedures
- Allows to switch off one **VARODRY** to:
 - Save on energy
 - Save on running time to extend maintenance intervals
- Pump alternation for equal wear
- Pressure dependent and automatically controlled by the intelligent software
- Perfectly suited for all heat treatment applications

Features & applications

Target applications for VDi:

- Heat Treatment
- Coating Applications
- Drying Applications



Technical data

	m³/h	50 Hz				60 Hz			
		VD 200i+ WSU 501	WSU 1001	VD 400i+ WSU 1001	WSU 2001	VD 200i+ WSU 501	WSU 1001	VD 400i+ WSU 1001	WSU 2001
Maximum pumping speed (w/o gas ballast)	m³/h	400	780	850	1660	480	910	1000	1940
Ultimate pressure w/o gas ballast	mbar					0,001			
Max. permissible outlet pressure (rel. to ambient)	mbar					200			
Max. permissible inlet pressure	mbar					1200			
Water vapor tolerance with gas ballast and inlet & outlet purge mbar						20			
Water vapor capacity with gas ballast	kg/h	6,9		13,9		6,9		13,9	
Permissible ambient temperature	°C					0 to +40 °C			
Purge gas consumption, inlet side	slm	2,5-5		5-10		2,5-5		5-10	
Purge gas consumption, motor side	slm	7,5-16		15-32		7,5-16		15-32	
Purge gas supply pressure	bar (g)					2-4			
Nominal motor power 50Hz / 60Hz	kW	9,4		16,5		9,4		17,5	
Dimensions (L x W H)	mm	1410 x 925 x 1503	1410 x 925 x 1772	1410 x 925 x 1896		1410 x 925 x 1503	1410 x 925 x 1772	1410 x 925 x 1896	
Inlet / outlet connection		DN63 / DN80	DN100 / DN80	DN160 / DN80	DN63 / DN80	DN100 / DN80	DN160 / DN80	DN160 / DN80	

Versions

111200VDi01	VD 200i+, booster ready, 50 Hz, 200/400V
111200VDi02	VD 200i+, booster ready, 60 Hz, 230/460V
111200VDi03	VD 200i+, booster ready, 60 Hz, 200/380V
111400VDi01	VD 400i+, booster ready, 50 Hz, 200/400V
111400VDi02	VD 400i+, booster ready, 60 Hz, 230/460V
111400VDi03	VD 400i+, booster ready, 60 Hz, 200/380V
111005VDi01	Piping DN63 for WSU 501 for VD 200i+
111005VDi02	Piping DN63 for WSU 1001 for VD 200i+
111005VDi03	Piping DN63 for WSU 1001 for VD 400i+
111005VDi04	Piping DN63 for WSU 2001 for VD 400i+
111005VDi05	Energy Saver Kit for VD 400i+

Systems compatibility

VD 200i+	WSU 501	Piping DN63 for WSU 501
	WSU 1001	Piping DN63 for WSU 1001
VD 400i+	WSU 1001	Piping DN63 for WSU 1001
	WSU 2001	Piping DN63 for WSU 2001 Energy Saver Kit for WSU 2001