

# Yamada



## **XTREME DUTY PRO™ XDP Serie**



[www.yamada-europe.com](http://www.yamada-europe.com)

The Xtreme Duty Pro™ XDP is designed for use in process type applications including filter press, high pressure, extended deadheading, long runs of discharge pipe and where air consumption is critical.

Air power is conserved by actuating the air valve using a mechanical linkage instead of relying on air pressure. Air power is reduced by 20% vs a standard air-actuated valve providing more pressure to drive the diaphragm assembly.

Available in 1-1/2", 2" and 3" port sizes, these pumps are built on the liquid platform of a standard NDP Serie pump, but with the world's only mechanically-actuated air motor.

Xtreme Duty Pro™ XDP pumps are capable of running on air pressure equivalents as high as 9 Bar or as low as 0,4 Bar and provide the same liquid side performance as the NDP Serie pumps.

## FEATURES

- Variable flow rates
- Self priming and can Run Dry
- No mechanical seals
- Explosion prevention measures are unnecessary
- Can handle slurry and high viscosity liquid
- Easily maintained & complete aftersales service



## SPECIFICATIONS

### NDP-H40Series

Nominal port size	1-1/2" (40A)	
Connection to liquid	Inlet	JIS flange *Equal to 10K40A
	Outlet	JIS flange *Equal to 10K40A
Air connection	Inlet	Rc1/2 (w/ air cork)
	Exhaust	Rc3/4 (w/ muffler)
Air supply pressure range	1 - 8,5 Bar (0.1 - 0.85 MPa)	
Maximum discharge pressure	8,5 Bar (0.85 MPa)	
Discharge volume / cycle	Rubber diaphragm type: 2.3 L	
	Fluoroplastic diaphragm type: 0.9 L	
Limit of slurry	7 mm or less	

Specifications:  
Pump size, 1-1/2"  
Maximum liquid discharge, approximately 370 L/min.

### NDP-H50Series

Nominal port size	2" (50A)	
Connection to liquid	Inlet	JIS flange *Equal to 10K50A
	Outlet	JIS flange *Equal to 10K50A
Air connection	Inlet	Rc3/4 (w/ air cork)
	Exhaust	Rc3/4 (w/ muffler)
Air supply pressure range	1 - 8,5 Bar (0.1 - 0.85 MPa)	
Maximum discharge pressure	8,5 Bar (0.85 MPa)	
Discharge volume / cycle	Rubber diaphragm type: 3.5 L	
	Fluoroplastic diaphragm type: 1.3 L	
Limit of slurry	8 mm or less	

Specifications:  
Pump size, 2"  
Maximum liquid discharge, approximately 460 L/min.

### NDP-H80Series

Nominal port size	3" (80A)	
Connection to liquid	Inlet	JIS flange *Equal to 10K80A
	Outlet	JIS flange *Equal to 10K80A
Air connection	Inlet	Rc3/4 (w/ air cork)
	Exhaust	Rc3/4 (w/ muffler)
Air supply pressure range	1 - 8,5 Bar (0.1 - 0.85 MPa)	
Maximum discharge pressure	8,5 Bar (0.85 MPa)	
Discharge volume / cycle	Rubber diaphragm type: 6.4 L	
	Fluoroplastic diaphragm type: 3.1 L	
Limit of slurry	10 mm or less	

Specifications:  
Pump size, 3"  
Maximum liquid discharge, approximately 600 L/min.

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