



**SCHWING**  
AMERICA INC.

LINE PUMPS

# **BPA 450/500**

Rock Valve™ Pumps - Trailer Mounted

- Concrete
- Shotcrete
- Grout



Shown with Optional Agitator

- **Output to 45 cu.yds./hr.**
- **Pressure to 1100 psi**
- **1" Max. Aggregate**

Here are the multi-duty pumps for handling structural concrete, grout or shotcrete. All the reliability of Schwing's larger pumps in a smaller package for all around versatility. The BPA 500 features a larger hydraulic pump which allows more strokes per minute and higher output. Long term durability is assured with the legendary Rock Valve™.

# BPA-450 / BPA-500

Technical Data	BPA 450 / BPA 500			
	U.S.	Metric	U.S.	Metric
Concrete Output (cu.yds./hr/cu.m/hr)	35	26	45	35
Max. Pressure on Concrete (psi/bar)	1100	76	1100	76
Max. Horizontal Pumping Distance* (ft/m)	1160	354	1160	354
Max. Vertical Pumping Distance* (ft/m)	330	100	330	100
Max. Pump Strokes/Min.	27@2300		32.5@2500	
Max. Aggregate Size* (in/mm)	1	25	1	25
Concrete Valve Type	Rock™		Rock™	
Shifting Cylinders	Single		Dual	
Concrete Cylinder Diameter (in/mm)	6	150	6	150
Concrete Cylinder Stroke Length (in/mm)	39	1000	39	1000
Differential Cylinder Diameter (in/mm)	3.14	80	3.14	80
Outlet Diameter (in/mm)	5	125	5	125
Hopper Capacity (cu.ft/cu. m)	11	.31	11	.31
Charging Hopper-Height (in/mm)	48	1219	48	1219
Engine Model	Deutz BF4L2011			
Engine Power (h.p./kw)	68	51	72	54
Electric Powered (h.p./kw)	60	45	60	45
Hydraulic Circuits:	System #1	Conc. Pump		
	System #2	Twin Circuit		
	System #3 (optional)	Agitator		
Hydraulic Circuits:	System #1	Axial Piston, Variable Displacement and Output regulator		
	System #2	Axial Piston, Variable Displacement		
	System #3	Gear Driven, Fixed Displacement		
Hydraulic Tank Capacity (gal/ltr)	50	189	50	189
Fuel Tank Capacity (gal/ltr)	20	75	20	75
Suspension	Torsion Spring			
Length (in/cm)	166	422	166	422
Width (in/cm)	66	168	66	168
Height (in/cm)	76	193	76	193
Trailer Units Weight (lbs/kg)	5000	2268	5200	2360
Remote Control on/off w/cable (ft/m)	100	30	100	30
(Wireless Remote Control Optional)				

\*Pumping distances shown are to be used as a guide only since they have been considerably exceeded on specific projects. Maximum attainable distances depend upon concrete mix design and pipeline diameter. Maximum output and distance cannot be achieved simultaneously.

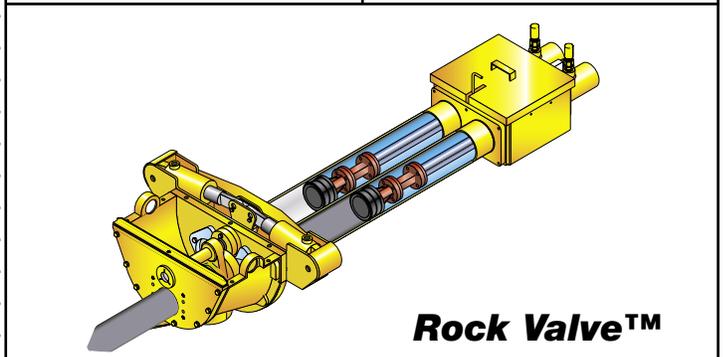
\*\*Pump specifications are for standard units. Other units are available.

Specifications subject to change without notice.



Ask any Schwing owner about the unmatched back up in parts and service that you will rely on in the fast-paced construction industry. More concrete is pumped through Schwing units than any other brand because we are there to support our customers with knowledge and service.

And only Schwing offers the extensive line to grow with you as your pumping needs expand in the future. Choosing Schwing equipment means you can focus on your business - and your success. **Solutions, Value and Success...**only from Schwing.



**Rock Valve™**



The patented Rock Valve™ has pumped more concrete than any other type of valve. Line pumps are equipped with either a short or long version of the Rock Valve™ depending on the mix design. Proof of performance of this valve is millions of yards successfully placed.

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 Printed on Recycled Paper

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