

IFP VARIABLE DISPLACEMENT PVB5...PVB45 PISTON PUMPS



APPLICATION GUIDELINES

SHAFT ALIGNMENT

PVB units are designed for "inline drive" with a flexible coupling. Side loading the shaft is not recommended.

FILL PUMP CASING

Before starting, fill case with system fluid through upper most drain port. Pipework must be installed in such a way as to ensure that the case is always full of oil during operation.

Note: -Max. case pressure 5 PSI.

STARTING

During initial starting it may be necessary to bleed air from pump outlet. IFP air bleed valve ABT 02S is available for this purpose.

SYSTEM RELIEF VALVE

Although PVB series pumps have compensator controls, a system relief valve is recommended for safety considerations.

TECHNICAL DATA

Values based on using anti-wear type petroleum oil 150 SUS at 100° F and 0 PSI inlet pressure

MODEL	DISPL.	DELIVERY (GPM) AT		MAX. SPEED RPM		MAX. PRESSURE PSI		WGT. LBS.
		1800 RPM	MAX. RPM	Anti-wear oil	HWBF	Anti-wear oil	HWBF	
PVB5	.643	5	10	3600	1800	3000	1000	16
PVB6	.843	6.5	11.4	3200		2000		16
PVB10	1.29	10	18	3200		3000		30
PVB15	2.01	15	26.2	3000		2000		30
PVB20	2.61	20	26	2400		3000		57
PVB29	3.76	29	38	2400		2000		57
PVB45	5.76	45	55	2200		3000		210

SOUND LEVEL PER ISO 4412

MODEL	REV r/min	OUTLET PSI	NOISE dB(A)	
			CUT-OFF	FULL DISPL.
PVB5/6	1200	1000	56	59
		2000	59	61
		3000	62	
	1800	1000	57	62
		2000	62	63
		3000	64	
PVB10/15	1200	1000	57	57
		2000	62	62
		3000	64	
	1800	1000	62	62
		2000	65	69
		3000	68	
PVB20/29	1200	1000	58	77
		2000	62	77
		3000	65	
	1800	1000	63	64
		2000	68	69
		3000	71	