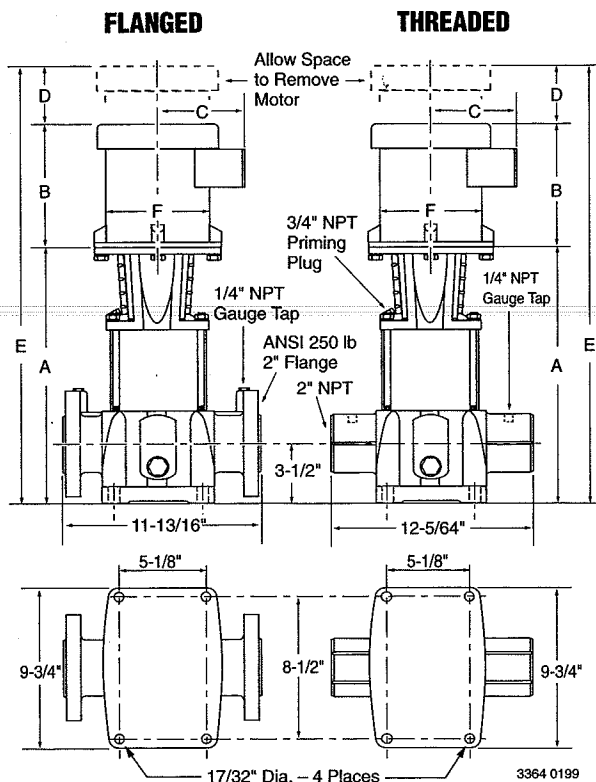
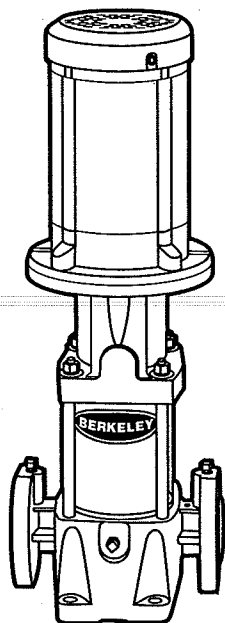


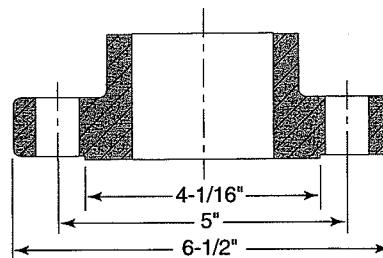
# BVM16 SERIES



## Technical Information

- MINIMUM PUMPING RATES: 8 GPM
- FLOW RANGE: 8.5 – 115 GPM
- MINIMUM SUCTION PIPE SIZES:  
2" Nominal Diameter, Schedule 40 Pipe
- MAXIMUM INLET PRESSURE:  
30/2 - 30 – 90 PSI  
40 - 120 – 145 PSI
- MAXIMUM AMBIENT TEMPERATURE: 104° F
- LIQUID TEMPERATURE RANGE: +5° F to +250° F
- MOTOR OPTIONS: TEFC or ODP

2" ANSI. 250 lb. 8-Bolt Flange



## Dimensions and Specifications – BVM16 Series

Model Number	HP	Motor S.F.	Ph	Volts	Frame Size	Disc. Size	Suc. Size	Dimension in Inches*						TEFC Wt.	ODP Wt.
								A	B	C	D	E	F		
BVM16-30/2	5	1.15	1	208-230	213TC	2	2	19-5/8	15-1/4	8	3-3/8	38-1/4	10-5/8	239	204
BVM16-30/2	5	1.15	3	208-230/460	184TC	2	2	19-5/8	13-5/8	6-7/8	2-7/8	36-1/8	8-1/2	187	171
BVM16-30	7.5	1.15	1	208-230	213TC	2	2	19-5/8	15-1/4	8	3-3/8	38-1/4	10-5/8	226	217
BVM16-30	7.5	1.15	3	208-230/460	213TC	2	2	19-5/8	15-1/4	7-1/2	3-3/8	38-1/4	10-3/8	202	189
BVM16-40	7.5	1.15	1	208-230	213TC	2	2	21-3/8	15-1/4	8	3-3/8	40	10-5/8	254	220
BVM16-40	7.5	1.15	3	208-230/460	213TC	2	2	21-3/8	15-1/4	7-7/8	3-3/8	40	10-3/8	206	192
BVM16-50	10	1.15	1	208-230	215TC	2	2	23-1/8	16-3/8	8-3/4	3-3/8	42-7/8	10-5/8	427	247
BVM16-50	10	1.15	3	208-230/460	215TC	2	2	23-1/8	15-1/4	8	3-3/8	41-3/4	10-3/8	251	209
BVM16-60	15	1.15	3	208-230/460	254TC	2	2	25-3/8	19-5/8	9-1/2	4-1/4	49-1/4	13	343	221
BVM16-70	15	1.15	3	208-230/460	254TC	2	2	27-1/8	19-5/8	9-1/2	4-1/4	51	13	336	224
BVM16-80	15	1.15	3	208-230/460	254TC	2	2	28-7/8	19-5/8	9-1/2	4-1/4	52-7/8	13	337	231
BVM16-100	20	1.15	3	230/460	254TC	2	2	32	21-3/4	9-1/8	4	57-3/4	11-1/2	418	347
BVM16-120	25	1.15	3	230/460	284TSC	2	2	35-3/8	21-3/4	9-1/2	3-1/4	60-3/8	13	471	559

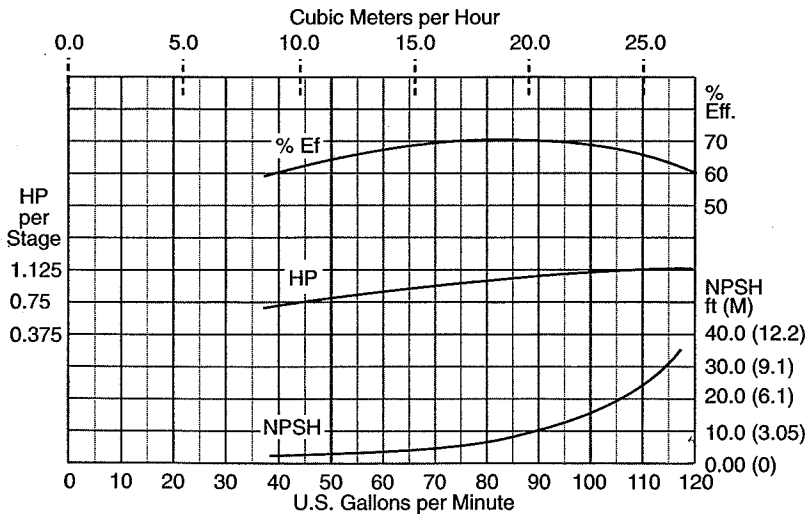
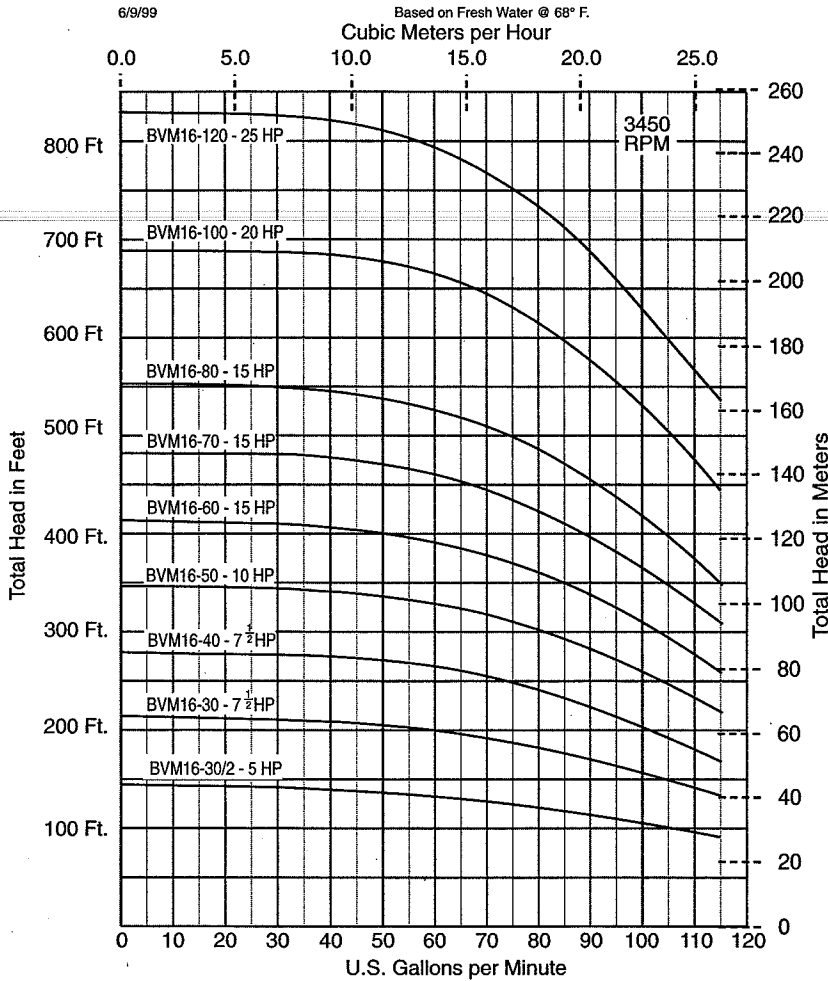
\* Measurements represent the largest number possible for each Model.

TRI-STATE PUMP, INC.  
 2403 PAYNTERS ROAD  
 MANASQUAN, NJ 08736  
 732-223-3222 FAX 732-223-2587

# BVM16 SERIES

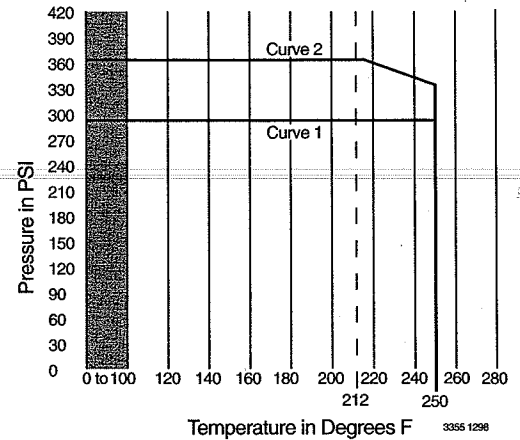


## Performance Curves – BVM16 Series



3507 0899

## Permissible Operating Pressure Curves



**CURVE 1:** BVM16-30/2 to BVM16-80  
**CURVE 2:** BVM16-100 to BVM16-120

## Construction Materials

Description	Material
Shaft	AISI 431 SS
Impellers, Diffuser Chambers, Pump Sleeve, Suction Interconnector, and Shaft Seal Parts	AISI 304 SS
Suction/discharge, motor bracket	Class 30 Cast Iron
Motor Couplings	Class 30 Cast Iron
Intermediate Chamber	Aluminum Oxide
Bearings	Ceramic
Bearing Ring	Tungsten Carbide
O-Rings	EPDM
Neck Rings	Teflon
Sleeve Gaskets	Non-Asbestos Fiber
Shaft Spacers	AISI 316 SS
Top Spring	AISI 316 SS
Coupling Guard	AISI 302 SS
Staybolts, Nuts & Washers	Zinc Plated Steel
Mechanical Seal (BVM16 30/2 – 80)	
• Stationary Face	Carbon
• Rotating Face	Silicon Carbide
• Secondary Seal	EPDM
• Seal Drivers	AISI 316 SS
• Spring	AISI 316 SS
• Bellows	EPDM
Mechanical Seal (BVM16 100 – 120)	
• Stationary Face	Tungsten Carbide
• Rotating Face	Tungsten Carbide
• O-Rings	EPDM
• Upper and Lower Drivers	AISI 304 SS
• Spring	AISI 304 SS