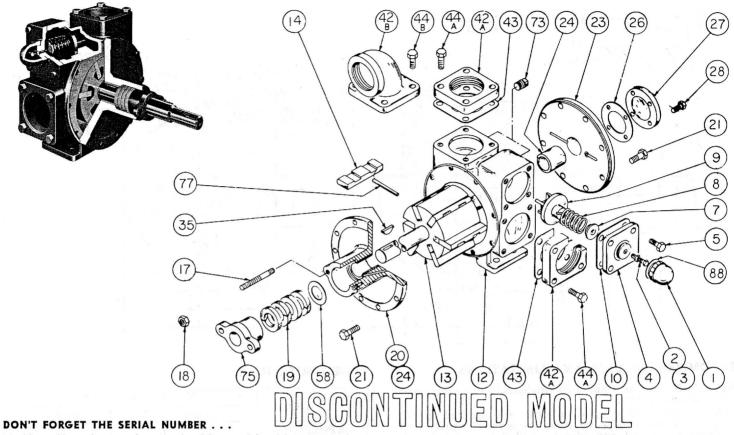
BLACKMER PUMP PARTS LIST PUMP MODEL: NP3

(For Operating and Maintenance Instructions see page 135)

PARTS LIST NO. 185/Z5

Section Effective Replaces

100 Jun. 72 185/F7 Dated 10-68



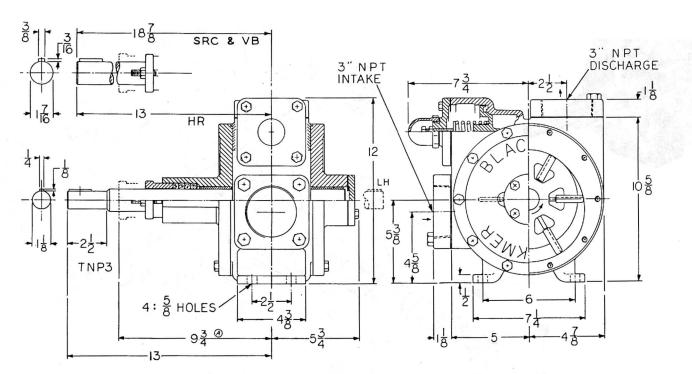
Would you like to be sure of getting the right material and have your order serviced faster? Then, also include the Pump Model Designation and the Pump Serial Number — both are stamped into a name-plate on the pump cylinder. Your serial number is a key to our records.

REF. NO.	PART NAME	NO. PARTS PER PUMP	PART NO.	REF. NO.	PART NAME	NO. PARTS PER PUMP	PART NO.
1	Valve Cap	1	413955		Vane — Composition	ar le ign	091805
2	Adjusting Screw	1	431808		Vane — Composition (Extra Clearance)		091816
3	Locknut	1	922923	.,	Vane — Iron		091807
4	Valve Cover	1	411805	14	Vane — Iron (Extra Clearance)	6	091821
5	Cover Capscrews	4	920331		Vane — Bronze		091806
7	Spring Guide	章1	421805		Vane — Bronze (Extra Clearance)		091804
8	Valve Spring (30-35 psi)	The state of the	471804	17	Stud	2	921450
	Valve Spring (36-50 psi)		471805	18	Stud Nut	2	922415
	Valve Spring (51-110 psi)		471806	19	Packing	1	325176
	Valve Spring (111-150 psi)		471809	20	Inboard Head & Bushing Assy.	1	031822
	Valve Spring (36-50 psi)	Carrier and	471815	21	Head Capscrew	20	920369
	(Stainless Steel)	10307		23	Outboard Head & Bushing Assy.	1	031824
	Valve Spring (51-110 psi)		471807	24	Bearing, sleeve	2	161821
	(Stainless Steel)	(3) (A)		26	Bearing Cover Gasket	1	381815
	Valve Spring (111-150 psi)	100	471808	27	Bearing Cover	1 元素	041823
	(Stainless Steel)	Use un		28	Bearing Cover Capscrew	4	920177
9	Pressure Control Valve	1	451803	35	Key	1	909130
10	Cover Gasket — Fiber	TRUE 3	531803	42A	Flange	1-2	651803
	Cover Gasket — Asbestos	1 531850		42B	Flange Elbow	1-2	651805
12	Pump Cylinder	1	021805	43	Flange Gasket — Fiber	2	381811
13	Rotor & Shaft (Coupling Drive)		261847	43	Flange Gasket — Asbestos	2	381816
	Rotor & Shaft (Coupling Drive) *		261849	44A	Flange Capscrew	4-8	920530
	Rotor & Shaft (SRC & VB) **		261821	44B	Flange Elbow Capscrew	4-8	920511
	Rotor & Shaft (SRC & VB) *	1 1	261823	58	Packwasher	1	355107
	Rotor & Shaft (HR Reducer) ***		261825	73	Gage Plug	2	908195
	Rotor & Shaft (HR Reducer) *		261827	75	Packing Follower	1	141801
		Name of the last		77	Push Rod	3	121807
				88	Cap Gasket	1	533908

*Extra clearance for viscosities over 10,000 SSU

^{**}For use on Blackmer reduction gear type SRC and on V-Belt Units

^{***}For use on Blackmer reduction gear type HR



RECOMMENDED USES AND LIMITATIONS

NP models have internal metallized-graphite bearings and teflon-asbestos packing.

Full size rotor and composition vanes are standard on NP models and are suitable for most non-abrasive liquids such as gasolines, fuel oil, and solvents. Full size vanes and rotor should be used whenever the pump must pull a maximum dry vacuum such as on underground tanks.

Extra-clearance rotor and composition vanes are available on NP models. This construction is suitable for handling a great variety of non-abrasive liquids or viscous liquids at elevated temperatures. Solvents, caustics, asphalt, and resins are typical.

Metal vanes (iron or bronze) are recommended for pumps that handle *only* viscous liquids such as molasses, asphalt, bunker C, etc. They can be used on thin liquids but at speeds slower than the maximum available for composition vanes.

VANE LIMITATIONS

	Maximum Recommended						
TYPE VANE	Speed	Temp.	Viscosity				
COMPOSITION: Standard Size Extra Clearance	640 RPM 640 RPM	240°F 500°F	10,000 SSU 20,000 SSU				
IRON: Standard Size Extra Clearance	500 RPM 500 RPM	240°F 500°F	10,000 SSU				
BRONZE: Standard Size Extra Clearance	500 RPM 500 RPM	180°F 500°F	10,000 SSU				

Standard Valve Stainless Steel V	Spring 'alve Spring	300°F 500°F					
Maximum Differential Pressure							
Metal Vanes	t Maximum Speed wit	200 GPM					
Maximum Recom 3,000 SSU 10,000 SSU 15,000 SSU 20,000 SSU 35,000 SSU 50,000 SSU 100,000 SSU	mended Speed at:						

DISCONTINUED MODEL

DOVER CORPORATION / BLACKMER PUMP DIVISION