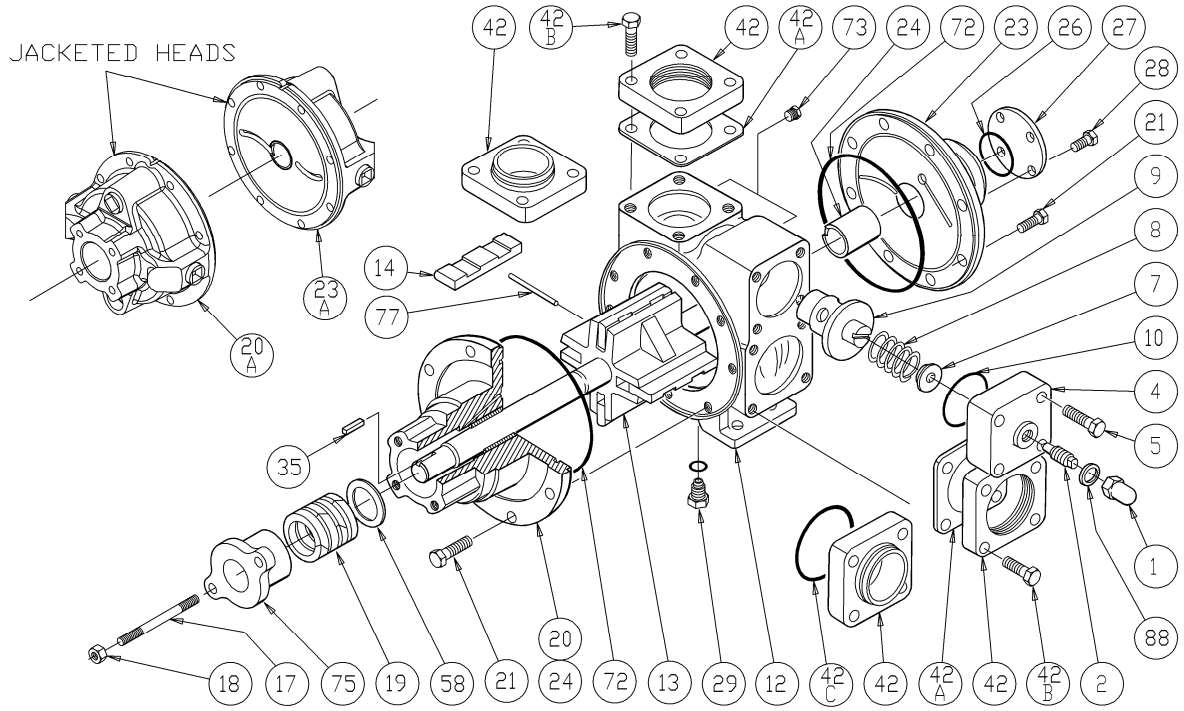
BLACKMER PARTS LIST
PUMP MODEL: NP2F

Section 103
Effective Nov 2012
Replaces Aug 2011

Keep with Instructions 103-A00 for Installation, Operation and Maintenance



Ref. No.	Description	Parts per Pump	Part No.
1	Cap – Relief Valve (R/V)	1	411453
2	Adjusting Screw – R/V	1	431401
4	Cover – R/V (Std.)	1	411469
	Cover – R/V[1, 5]		411468
5	Capscrew – R/V Cover (Std.)	4	920316
	Capscrew – R/V Cover[1, 5]		920401
7	Spring Guide – R/V	1	423955
8	Spring – R/V (36-50 psi)	1	471415
	Spring – R/V (51-75 psi)		471420
	Spring – R/V (76-110 psi)		471425
	Spring – R/V (111-150 psi)		471428
	SS Spring – R/V (51-75 psi)		471418
	SS Spring – R/V (76-110 psi)		471427
	SS Spring – R/V (111-150 psi)		471429
	SS Spring – R/V (151-200 psi)[1, 5]		471468
9	Valve – R/V (Std.)	1	451417
	Valve – R/V (Nickel Plated)[5]		451415
10	O-Ring – R/V Cover (FKM) (Std.)	1	[4] 702212
	O-Ring – R/V Cover (PTFE)		702213
	O-Ring – R/V Cover (Buna-N)[5]		702211
12	Cylinder (Std.)	1	021403
	Cylinder w/ SAE Drain (Cast Iron)[5]		021402
13	Rotor & Shaft, Open Rotor (Shown)	1	261468
	Rotor & Shaft, Closed Rotor (Opt.)		261475
14	Vane – Duravane (Std.)[5]	4	[4] 091419
	Vane – EC Laminate		091429
	Vane – EC Cast Iron		093923
	Vane – EC Bronze		093924

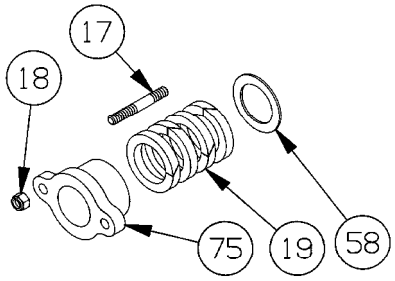
Ref. No.	Description	Parts per Pump	Part No.
20	Head & Bushing Asy. - Inboard	1	031476
20A	Head & Bushing Asy. – Inboard (Jacket)	1	031472
21	Capscrews - Head	16	920341
23	Head & Bushing Asy. - Outboard	1	031477
23A	Head & Bushing Asy. – Outboard (Jacket)	1	031473
24	Bushing (Sleeve Bearing)	2	[4] 161400
26	O-Ring – Bearing Cover (FKM) (Std.)	1	[4] 702209
	O-Ring – Bearing Cover (PTFE)		702126
	O-Ring - Bearing Cover (Buna-N)[5]		701929
27	Bearing Cover	1	041400
28	Capscrews – Flange	4	920291
29	Pipe Plug Asy. (SAE #6) (FKM) (Std.)	1	908212
	Pipe Plug Asy. (SAE #6) (PTFE)		908213
	Pipe Plug Asy. (SAE #6) (Buna-N)[5]		908211
35	Key Shaft	1	[4] 909160
42[2]	Flange – 2" NPT (Std.)	2	651411
	Flange – 2" Weld		654405
42A	Gasket – NPT Flange (Comp.) (Std.)	2	[4] 381421
42B	Capscrew – Flange	8	920351
42C	O-Ring – Flange (FKM)	0 - 2	701921
	O-Ring – Flange (PTFE)		702056
	O-Ring – Flange (Buna-N)[5]		701934
72	O-Ring – Head (FKM) (Std.)	2	[4] 702241
	O-Ring – Head (PTFE)		702242
	O-Ring – Head (Buna-N)[5]		702022
73	Gage Plug	2	908198
77	Push Rods	2	[4] 123905
88	Gasket – R/V Cap	1	[4] 701981
—	Kit — Maintenance	—	898929

[1] Optional High Pressure Relief Valve - **parts must be used as a group** (includes p/n's 411468, 920401, and 471468).
[2] See backside for Flange Options. [4] Included in Maintenance Kit EC = Extra-Clearance SS = Stainless Steel
[5] AFFF service pumps include: Nickel Pltd. High Press. RV, 200 psi RV spring, Buna O-rings, Cyl. w/ Drain, Lip Seal & Duravanes.

PACKING - STANDARD

Ref. No.	Part Name	Parts Per Pump	Part No.
17	Stud - Packing Follower	2	921450
18	Nut - Packing Follower Stud	2	922428
19	Packing Set	1	[4] 321400
58	Pack Washer	1	351207
75	Packing Follower	1	141468

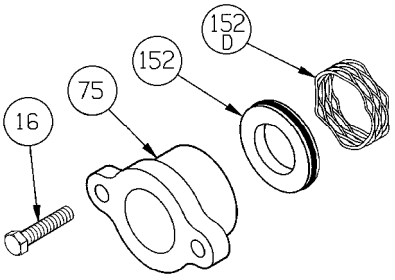
[4] Included in Maintenance Kit



LIP SEAL – OPTIONAL [5]

Ref. No.	Part Name	Parts Per Pump	Part No.
16	Capscrew - Follower	2	920295
75	Seal Follower	1	141468
152	Lip Seal Assembly (To 500°F)	1	702244
152D	Wave Spring	1	321401

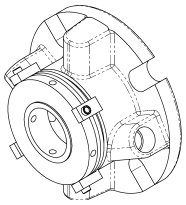
NOTE: A Commercial Mechanical Seal (Cartridge Type) can be used in place of packing or lip seals. Consult mechanical seal manufacturer for more information.



COMMERCIAL MECHANICAL SEAL (Cartridge Type) - OPTIONAL

Ref. No.	Part Name	Parts Per Pump	Part No.
-	John Crane 5610	1	331471

NOTE: Seal Materials (Sil-Car, Carbon, FKM)

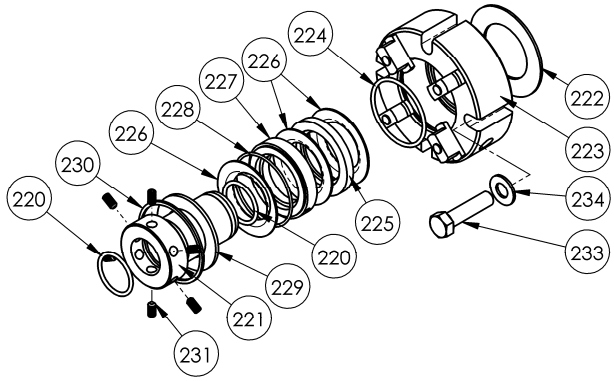


Commercial Mechanical Seal
Cartridge Type

TRIPLE-LIP CARTRIDGE SEAL - OPTIONAL

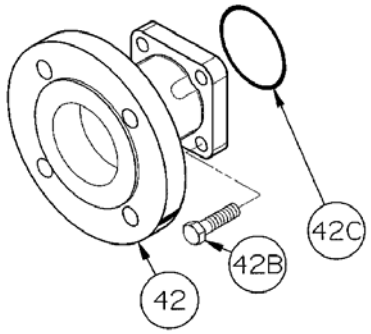
Ref. No.	Part Name	Seal	Seal Rebuild Kit
—	**TRIPLE-LIP CARTRIDGE SEAL**	**331773**	**899104**
220	Shaft Sleeve O-Ring	2	X
221	Shaft Sleeve	1	
222	Gasket	1	X
223	Gland Plate Assembly	1	
224	Element O-Ring	1	X
225	Seal Spacer	1	X
226	Seal Element	3	X
227	Flushing Spacer	1	X
228	Flushing Spacer O-Ring	1	X
229	Retaining Ring	1	
230	Snap Ring	1	X
231	Shaft Sleeve Setscrews	6	X
233	Gland Capscrew	4	
234	Flat Washer	4	

X = Parts Included in Seal Rebuild Kit



FLANGE OPTIONS

Ref. No.	Part Name	Parts Per Pump	Part No.
42	Flange – ANSI 2" 150 lb. R.F.	1-2	651417



ANSI FLANGE

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