

Service Data

Vickers®

Vane Pumps



Vane Type Single Pump

(F3)-V21*-**-** Series -12 Design

(F3)-V23*-**-** Series -12 Design

Model	Model "S" NO'S	Valve Subassembly	BAR (PSI)
V2**-*_**_C*-12	138	232794	51.7 (750)
V2**-*_**_D*-12		232795	68.9 (1000)
V2**-*_**_E*-12		232796	86.1 (1250)
V2**-*_**_F*-12		232797	103.4 (1500)
V2**-*_**_G*-12		140	232798
V2**-*_**_H*-12	232799		137.8 (2000)

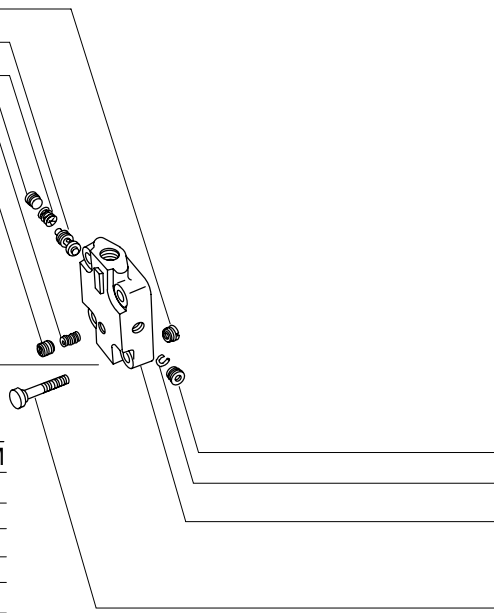
- Orifice plug (See table)
- Valve subassembly (See table)
- 155086 Spring
- 7077 Plug
- 183584 Screen
- 113000 Plug

FLOW CONTROL COVER OPTION

Use pressure port to determine cover position.

Model	Orifice plug	USGPM
V2**-*_**_2-12	167463	2
V2**-*_**_4-12	167464	4
V2**-*_**_6-12	167465	6
V2**-*_**_7-12	165359	7
V2**-*_**_8-12	167466	8

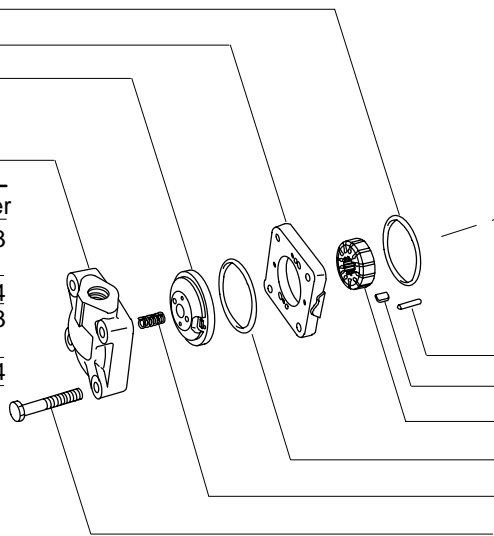
Model	★ Screw
V2**-2-**-**-12	1319
V2**-3-**-**-12	
V2**-5-**-**-12	
V2**-6-**-**-12	
V2**-8-**-**-12	
V2**-8W-**-**-12	11164
V2**-9-**-**-12	
V2**-11-**-**-12	
V2**-11W-**-**-12	



- 7077 Plug
- 155023 Snap ring
- 224489 Cover (When replacing cover on pump, valve subassembly must also be replaced.)
- ★ Screw 4 Req'd (See table)
- Torque 88.1–101.6 N.m. (65–75 lb. ft.)

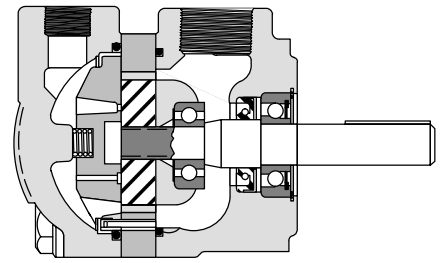
- ▲ 154090 "O"-Ring
- Ring (see table)
- 292085 Pressure plate (Use 236217 pressure plate for -S214 models)
- ◆ Cover (See table)

Model	◆ Cover
V21**-*_**_**-12- STD.	129343
V21**-*_**_**-12-S49	
V21**-*_**_**-12-S51/S63/S214	129344
V23**-*_**_**-12-STD	129343
V23**-*_**_**-12-S49	
V23**-*_**_**-12-S51/S63/S214	129344

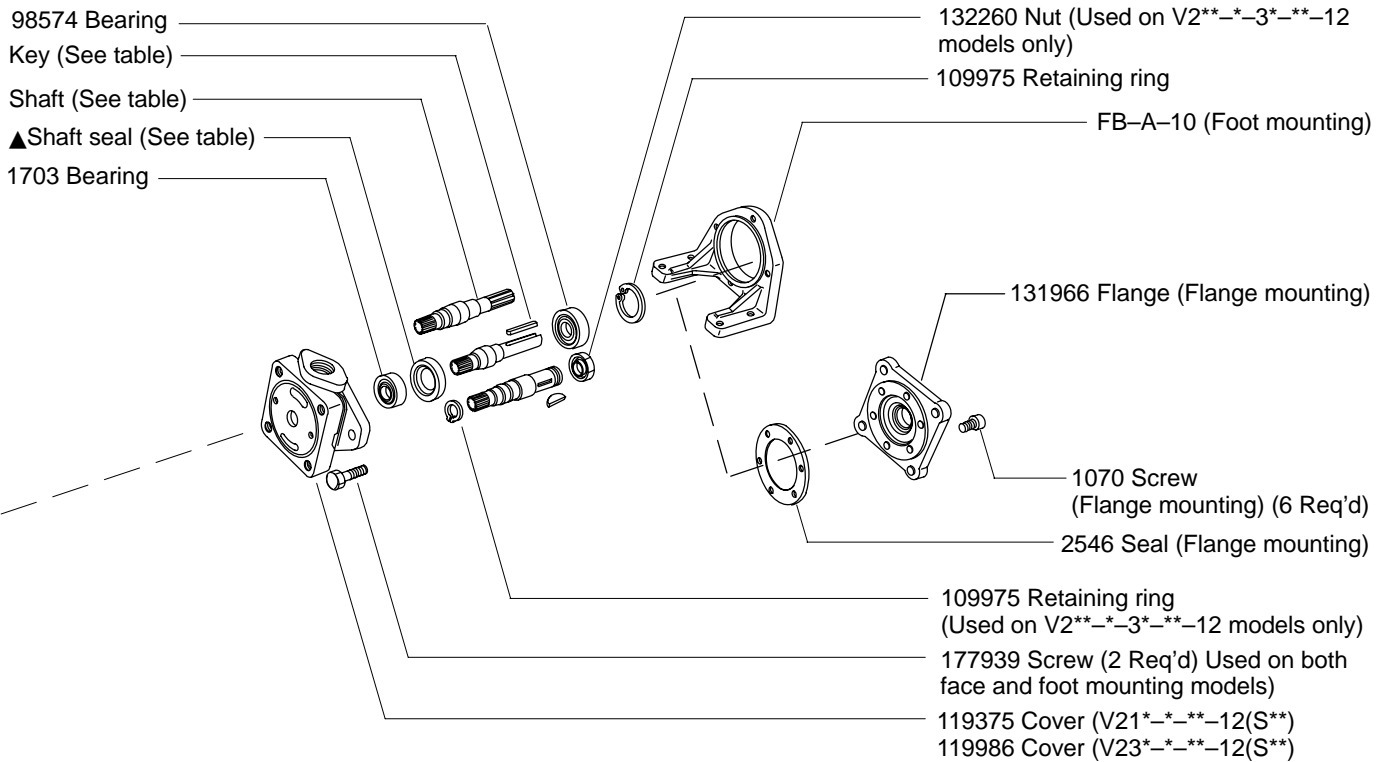


- Pin (2 Req'd See table)
- Vane kit (12 vanes See table)
- Rotor (see table)
- ▲ 154090 "O"-Ring
- 114139 Spring
- Screw 4 Req'd (See table)
- Torque 88.1–101.6 N.m. (65–75 lb. ft.)

Model	● Ring	● Rotor	● Vane kit (12 vanes)	● Cartridge kit	● Pin (2 Req'd)	■ Screw (4 Req'd)
V2**-2-**-**-12-(S214)	116141	172302	912031	912063	2161	131485
V2**-3-**-**-12-(S214)	214140			922765		
V2**-5-**-**-12-(S214)	114173			912064		
V2**-6-**-**-12-(S214)	133177			912065		
V2**-8-**-**-12	114154			912066		
V2**-8W-**-**-12-(S214)	178183	172294	912032	922509	2478	131486
V2**-9W-**-**-12-(S214)	193219			922537		
V2**-11-**-**-12	114172			912067		
V2**-11W-**-**-12-(S214)	218320			922568		



Typical Cutaway view

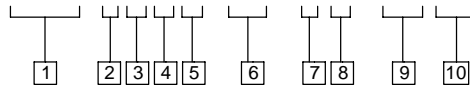


Model	▲Seal kit	▲Shaft seal	Shaft	Key
V2**-* ₁ ** ₁₂	922732	229236	116644	5881
V2**-* ₂ ** ₁₂			116645	1602
V2**-* ₃ ** ₁₂	922733	229235	120037	1615
V2**-* ₄ ** ₁₂	922732	229236	128892	
V2**-* ₆ ** ₁₂			131420	1609
V2**-* ₇ ** ₁₂			124094	
V2**-* ₈ ** ₁₂			124305	124395
V2**-* ₉ ** ₁₂			128300	
V2**-* ₁₀ ** ₁₂			130334	1609
V2**-* ₁₁ ** ₁₂			133178	
V2**-* ₁₉ ** ₁₂			148187	
V2**-* ₂₄ ** ₁₂			165468	
V2**-* ₂₆ ** ₁₂			182014	6601
V2**-* ₃₄ ** ₁₂	205800	1605		
V2**-* ₃₇ ** ₁₂		215025		

- Included in cartridge kit (See table).
- ▲ Included in seal kit (See table)
 F3 equivalent seal kit 919291

Model Code

(F3) -V2 ** - ** - 1 * - 12 ***



1 Viton seals
(Omit if not required)

2 Vane pump

3 Series

4 Body type

- 1 – STD THD connection
- 2 – STD Gasket connection
- 3 – Face MTG THD connection
- 4 – Face MTG Gasket connection
- 5 – Tapped FT MTG THD connection
- 6 – Tapped FT MTG Gasket connection

5 Mounting

- 0 – Body
- 4 – Foot
- 5 – Flange

6 Capacity US GPM

7 Shaft

8 Cover port positions
(Viewed from cover end)

- A – 180° from inlet
- B – 90° CCW from inlet
- C – Inline with inlet
- D – 90° CW from inlet

9 Design

10 Special feature

