Service and Parts Manual

Vickers[®] by Danfoss

Vane Pumps

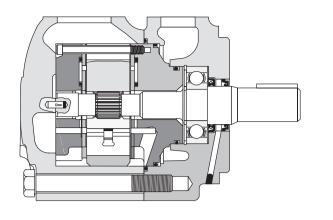


Vane Type Single Pump

25/26/30/31 VQ Series - 20 Design

AX438768117869en-000101





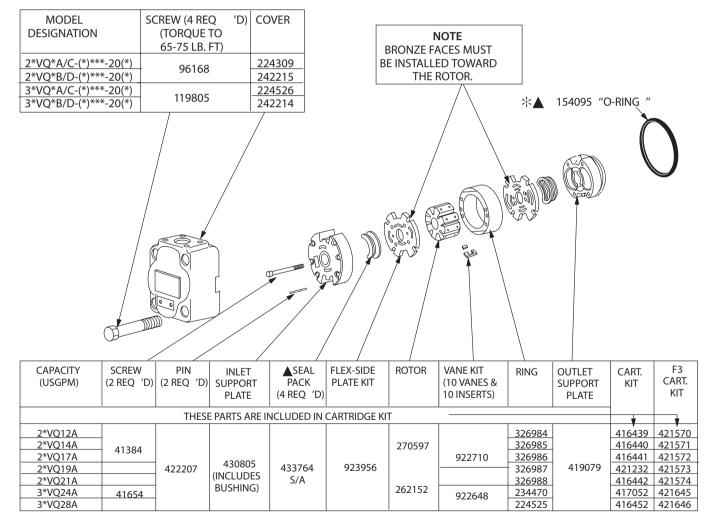
→ TO REVERSE CATRIDGE KIT ROTATION, REMOVE THE TWO (2) 413834 SCREWS, AND REVERSE THE LOCATION OF THE INLET SUPPORT PLATE 430805 AND OUTLET SUPPORT PLATE 419079. REINSTALL THE TWO (2) SCREWS HAND TIGHT. USE PUMP COVER TO ALIGN ALL SECTIONS OF THE CARTRIDGE. REMOVE COVER CAREFULLY AND TIGHTEN SCREWS TO 50 LB. IN. TORQUE.

☐ WIPE O.D. OF SEAL WITH OIL BEFORE PRESSING INTO BODY. APPLY GREASE TO SEAL I.D. BEFORE INSTALLATION OF SHAFT.

INCLUDED IN SINGLE
SHAFT SEAL KIT 920021
F3 EQUIVALENT 920023

△ INCLUDED IN DOUBLE
SHAFT SEAL KIT 920022
F3 EQUIVALENT 920024

★INCLUDED IN CARTRIDGE KIT





WARNING: USE THIS FOR PARTS INFORMATION ONLY.
SEE OVERHAUL MANUAL I-3144-S FOR MAINTENANCE INFORMATION.

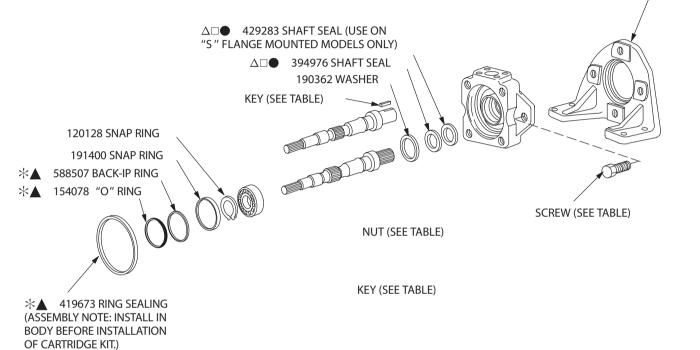
O ASSEMBLE SEAL WITH SPRING LOADED SEALING MEMBER TOWARD BEARING.

• ASSEMBLE SEAL FLUSH WITH PILOT FACE WITH SPRING LOADED SEALING MEMBER FACING INWARD AS SHOWN.

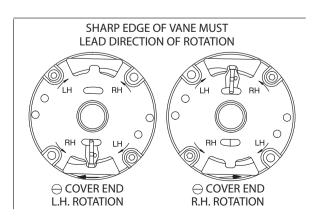
MODEL 25VO	TYPE DUTY STANDARD	BEARING 1705
26VQ	HEAVY DUTY	232750
30VQ	STANDARD	1705
31VQ	HEAVY DUTY	232750

BODY S/A	MODEL
942353	2*VQA/D-**-20
942378	2*VQB/C-**-20
942354	3*VQA/D-**-20
942378	3*VQB/C-**-20
7 1237 0	3 TQD/C 20

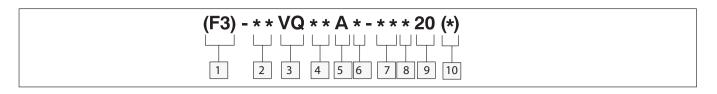
MOUNTING ASSEMBLY **VQ***F-**-20(L)			
INCLUDED IN	SCREW	MOUNTING	
MOUNTING KIT	(2 REQ 'D)	BRACKET	
FB-B-10	205533	199491	



SHAFTS						
SINGLE MOD		DOUBLE SEAL MODELS		KEY	NUT	ТҮРЕ
SHAFT NO.	PART NO.	SHAFT	PART NO.			
1	238755			9955		STRAIGHT, KEYED
3	242747			1617	18755	KEYED WITH NUT
6	242767			1617		KEYED SHAFT
11	238929					SPLINE
86	478826			3418		STRAIGHT, KEYED, HEAVY DUTY



Model Code



1 Viton Seals

(Omit if not required.)

2 Series

25, 26, 30, 31

3 Vane Type

4 SAE Rated Capacity

(Rating @ 1200 RPM - 100 psi) See Capacity (USgpm) See Table Inside

5 Port Connections

Code Inlet Outlet Connection Connection Α SAE 4-Bolt SAE 4-Bolt В SAE Str. Thd. SAE Str. Thd. C SAE 4-Bolt SAE Str. Thd. D SAE Str. Thd. SAE 4-Bolt

6 Mounting & Shaft Seals Assembly

F - Foot (Single Shaft Seal Assy.)
S - Flange (Double Shaft Seal Assy.)
Omitted- Flange (Single Shaft Seal Assy.)

7 Shafts

See Table Inside

8 Port Positions

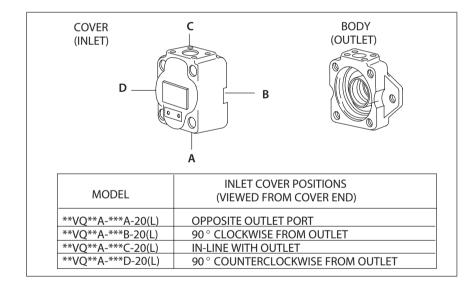
See Chart Below

9 Design

10 Rotation

(Viewed from Shaft End)

L - Left Hand (CCW Rotation) Omitted - Right Hand Rotation





PARTS ORDERING

PARTS ARE THE SAME FOR BOTH RIGHT AND LEFT HAND ROTATION, WHEN ORDERING SPARE CARTRIDGE PARTS, IT IS RECOMMENDED THEY BE OBTAINED IN CARTRIDGE KITS. KITS ARE ASSEMBLED AND TESTED FOR EITHER RIGHT OR LEFT HAND ROTATION. IF LEFT HAND ROTATION IS REQUIRED, IT SHOULD BE SPECIFIED ON PARTS ORDER BY ADDING SUFFIX "L" TO KIT NUMBER. FOR EXAMPLE, 416439-L.



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Local	ladd	ress

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