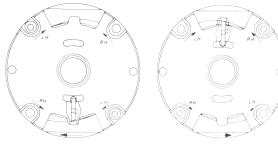
## SHARP EDGE OF VANE MUST LEAD DIRECTION OF ROTATION



R.H. ROTATION

COVER END CARTRIDGE SHAFT END CARTRIDGE R.H. ROTATION

STANDARD RIGHT HAND SHAFT ROTATION CARTRIDGES SHOWN: REVERSE FOR LEFT HAND ROTATION.

TO REVERSE CARTRIDGE KIT ROTATION, REMOVE THE TWO SCREWS, AND REVERSE THE LOCATION OF THE INLET SUPPORT PLATE AND OUTLET SUPPORT PLATE, RE-INSTALL THE TWO SCREWS HAND TIGHT USE PUMP COVER TO ALIGN ALL SECTIONS OF THE CARTRIDGE. REMOVE COVER CARE-FULLY AND TIGHTEN SCREWS TO RECOM-MENDED TORQUE.

## MODEL CODE BREAKDOWN

2 3 4 5 6 7 8 9 10 11 12

1	VITON (OMIT IF NOT RE	SEALS QUIRED)	9 OUTLE (VIEWED FROM
2	SERIES DESIGN	NATION	With No. 1 Outlet Oppos  AA – No. 2 Outlet – Opp  AB – No. 2 Outlet – Oppos
3	INTRA-VANI	E PUMP	AB – No. 2 Outlet – 90 AC – No. 2 Outlet – Inli AD – No. 2 Outlet – 90
42 – 42 GPM	US GPM CAI (SHAFT EN 200 RPM – 100 PSI ( 57 – 57 GPM	ID PUMP)	With No. 1 Outlet 90 °C BA – No. 2 Outlet – Opp BB – No. 2 Outlet – 90 BC – No. 2 Outlet – Inl BD – No. 2 Outlet – 90 °C
47 – 47 GPM 50 – 50 GPM	60 – 60 GPM SAE PORT CONNE	CTIONS	With No. 1 Outlet Inline CA – No. 2 Outlet – Opp CB – No. 2 Outlet – 90 CC – No. 2 Outlet – Inl
A 4-BOLT	OUTLET #1 OUT 4-BOLT 4-BO	OLT	CD – No. 2 Outlet – 90°C With No. 1 Outlet 90°C
FLG.	FLG. FI  US GPM CAI  (COVER EN		DA – No. 2 Outlet – Opp DB – No. 2 Outlet – 90 DC – No. 2 Outlet – Inl DD – No. 2 Outlet – 90
SAE RATING 1	200 RPM - 100 PSI (	7 bar)	

7	MOUNTING
F-	FOOT (SINGLE SHAFT SEAL)
S -	FLANGE (DOUBLE SHAFT SEAL)

35 – 35 GPM

38 - 38 GPM

OMITTED - FLANGE, SINGLE SHAFT SEAL ASSEMBLY

21 – 21 GPM

25 - 25 GPM

30 - 30 GPM

8

8	SHAFT
1 – STRAIGHT WITH SQUARE KI	EY
STANDARD	
11 – SPLINED	
86 – STRAIGHT WITH SQUARE	
KEY HEAVY DUTY	
114 – SPLINED	

9	0	UTLE	Γ PORT	POS	SITION
	(VIEWED	FROM	COVER	END	OF PUN

site Inlet: oposite Inlet O CCW From Inlet ine With Inlet <sup>0</sup>CW From Inlet CCW From Inlet: oposite Inlet OCCW From Inlet line With Inlet <sup>0</sup>CW From Inlet e With Inlet : posite Inlet 0°CCW From Inlet lline With Inlet <sup>0</sup>CW From Inlet CW From Inlet: posite Inlet OCCW From Inlet line With Inlet <sup>0</sup>CW From Inlet

10 **DESIGN** 

11 ROTATION (VIEWED FROM SHAFT END) L – LEFT HAND (CCW ROTATION) OMITTED - RIGHT HAND ROTATION

MOUNTING 282 – SAE 2–BOLT MOUNTING

283 - FOOT MOUNTING

For satisfactory service life of these components, use full flow filtration to provide fluid which meets ISO cleanliness code 16/13 or cleaner. Selections from pressure, return, and in-line filter series are recommended.

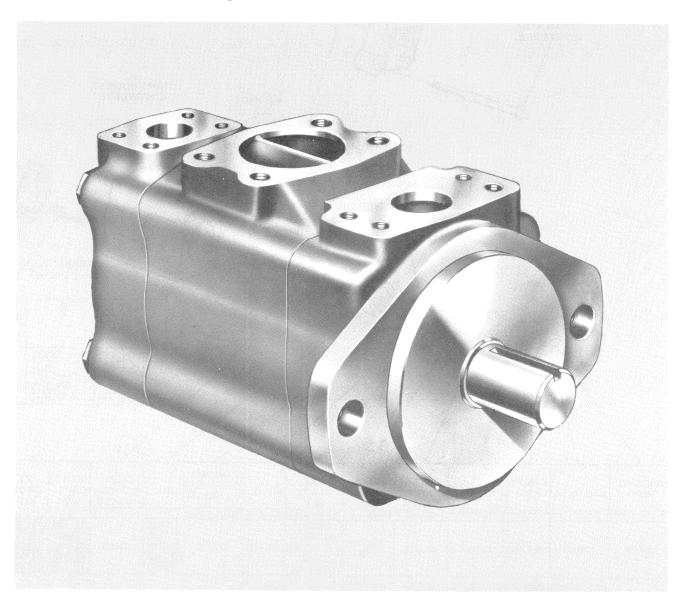
Litho in U.S.A.

Service Data



## Vane Type Double Pump

4535VQ Series -20 Design



Vickers Incorporated A TRINOVA Company 5445 Corporate Drive P. O. Box 302 Troy, Michigan 48007-0302

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