Document Number	Issue Date	Rev. Date
F-2466	10/10/00	06/05/09

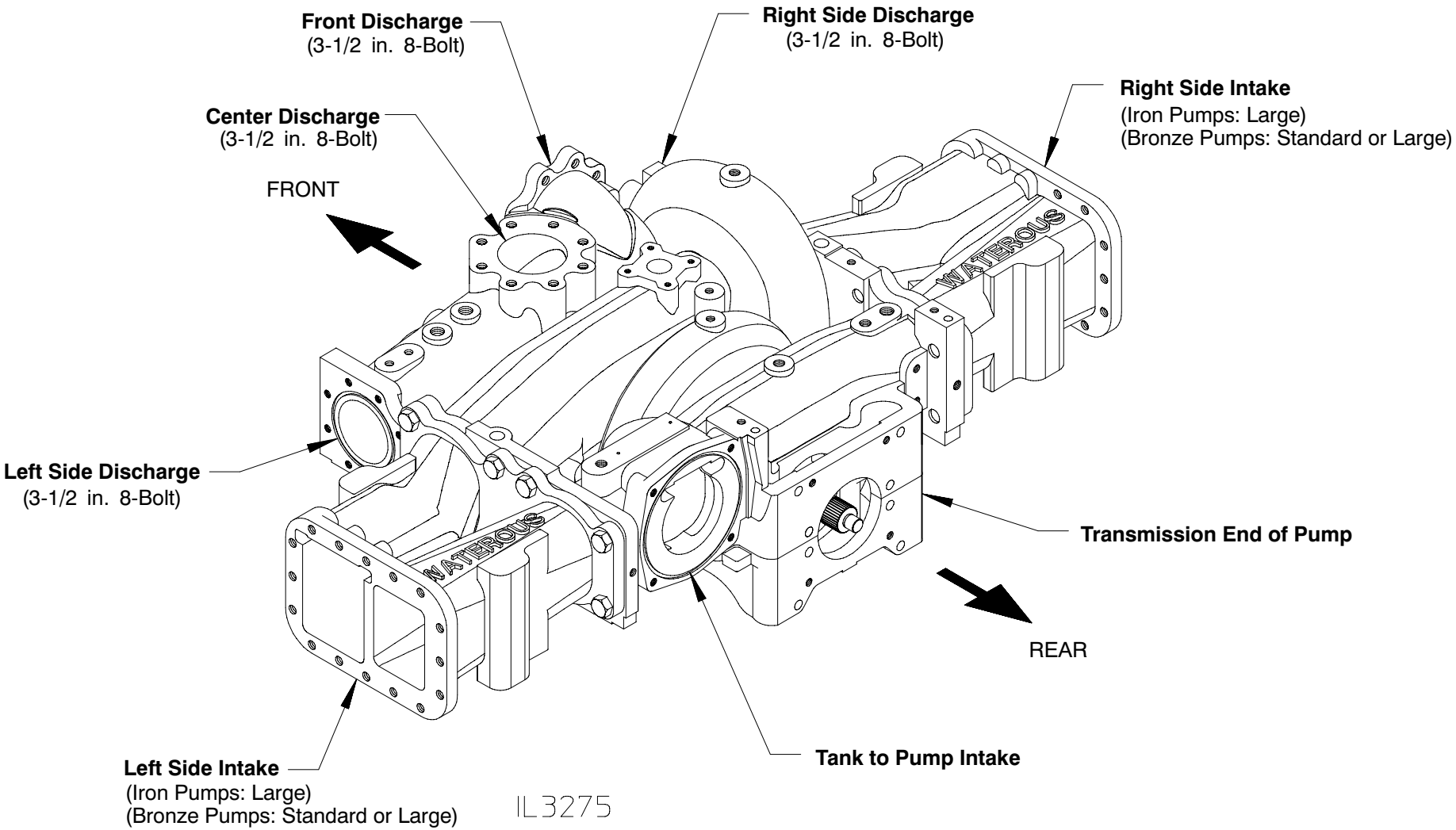
Pump Intake and Discharge Diagrams

Diagrams Defining Left and Right Sides Plus Any Available Intake and Discharge Pads

Pump Model	Transmission			Impeller Rotation *(2)*	See Page				
					Pump Discharge				
	Model	Input Rotation *(1)*	Pump Body Mounting		Various	Manifold with 3-1/2 in. End Flanges		Manifold with 4 in. End Flanges	
						Perpendicular to Intake	Parallel to Intake	Perpendicular to Intake	Parallel to Intake
CM,CS	C10, C20, PA, K, D	CW or CCW	-	-	2	-	-	-	-
CLS	WB, PA	CW	-	CW	3	-	-	-	-
	K	CW	-	CW	3	-	-	-	-
		CCW	-	CCW	4	-	-	-	-
CLR, CLV	K, T	CW	-	CW	5	-	-	-	-
		CCW	-	CCW	6	-	-	-	-
CGVG	C10, C20, PA, WB	CW	-	CW	7	-	-	-	-
	K	CW	-	CW	7	-	-	-	-
		CCW	-	CCW	8	-	-	-	-
CXN, CXS, CXR, CXV	C10, C20, PA	CW	-	CW	-	9	-	11	18
	K, T	CW	-	CW	-	9	-	11	18
		CCW	-	CCW	-	10	-	12	19
S100	C10, C20, PA	CW	Front (Input Shaft Side)	CW	-	-	-	13	20
			Rear (Output Shaft Side)	CCW	-	-	-	14	21
	D (Direct Drive)	CW	-	CCW	-	-	-	15	22
		CCW	-	CW	-	-	-	16	23
S101	C20	CW	Front (Input Shaft Side)	CW	-	-	-	17	-
HL200, HL300	Direct Drive	CW	-	CCW	24	-	-	-	-

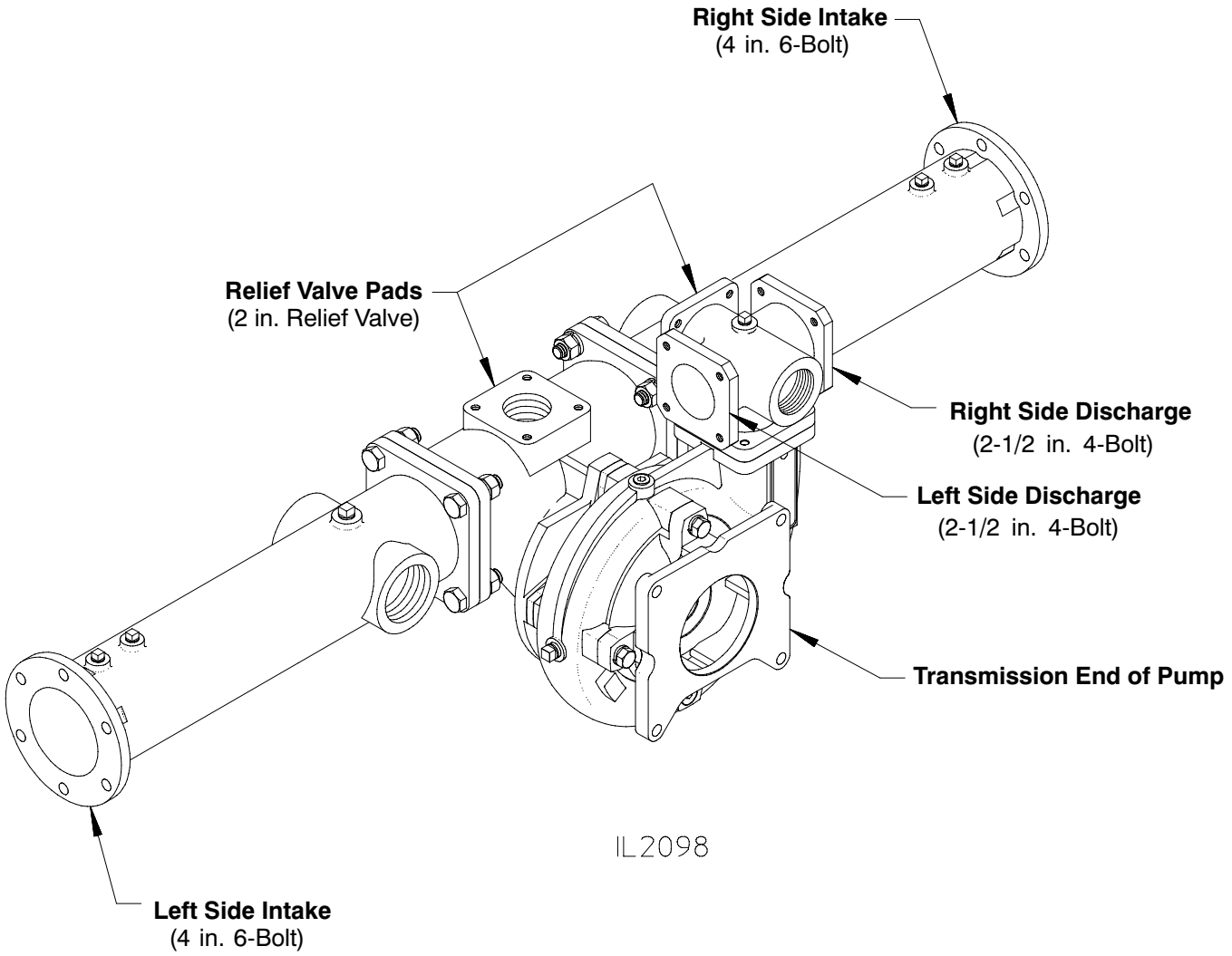
Notes:

1. Input rotation is viewed looking at input shaft.
2. Impeller rotation is viewed looking at impeller eye.



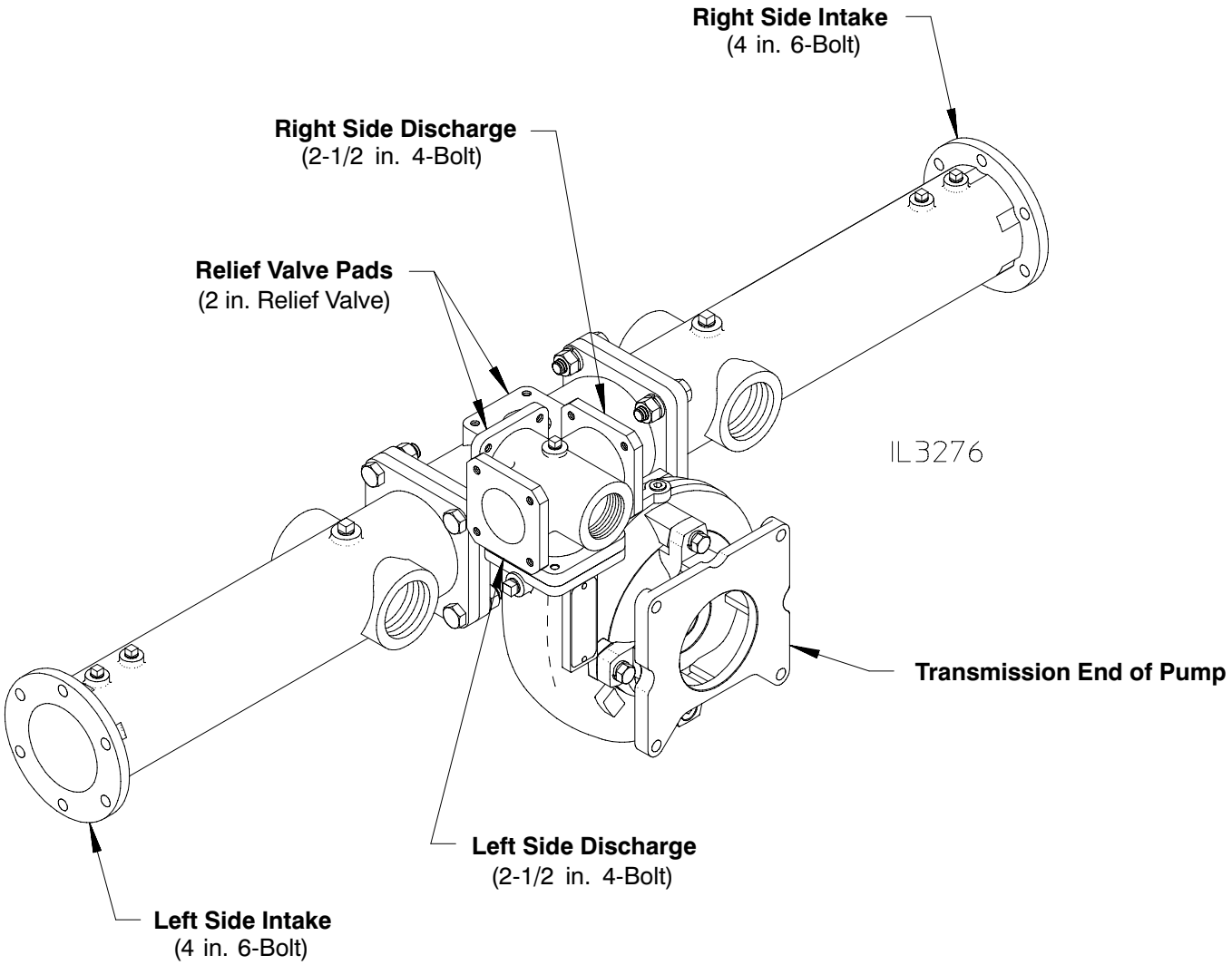
Note: Left and Right are Defined as Viewed From Rear (Transmission) End of Pump.

CLS, CW Impeller Rotation



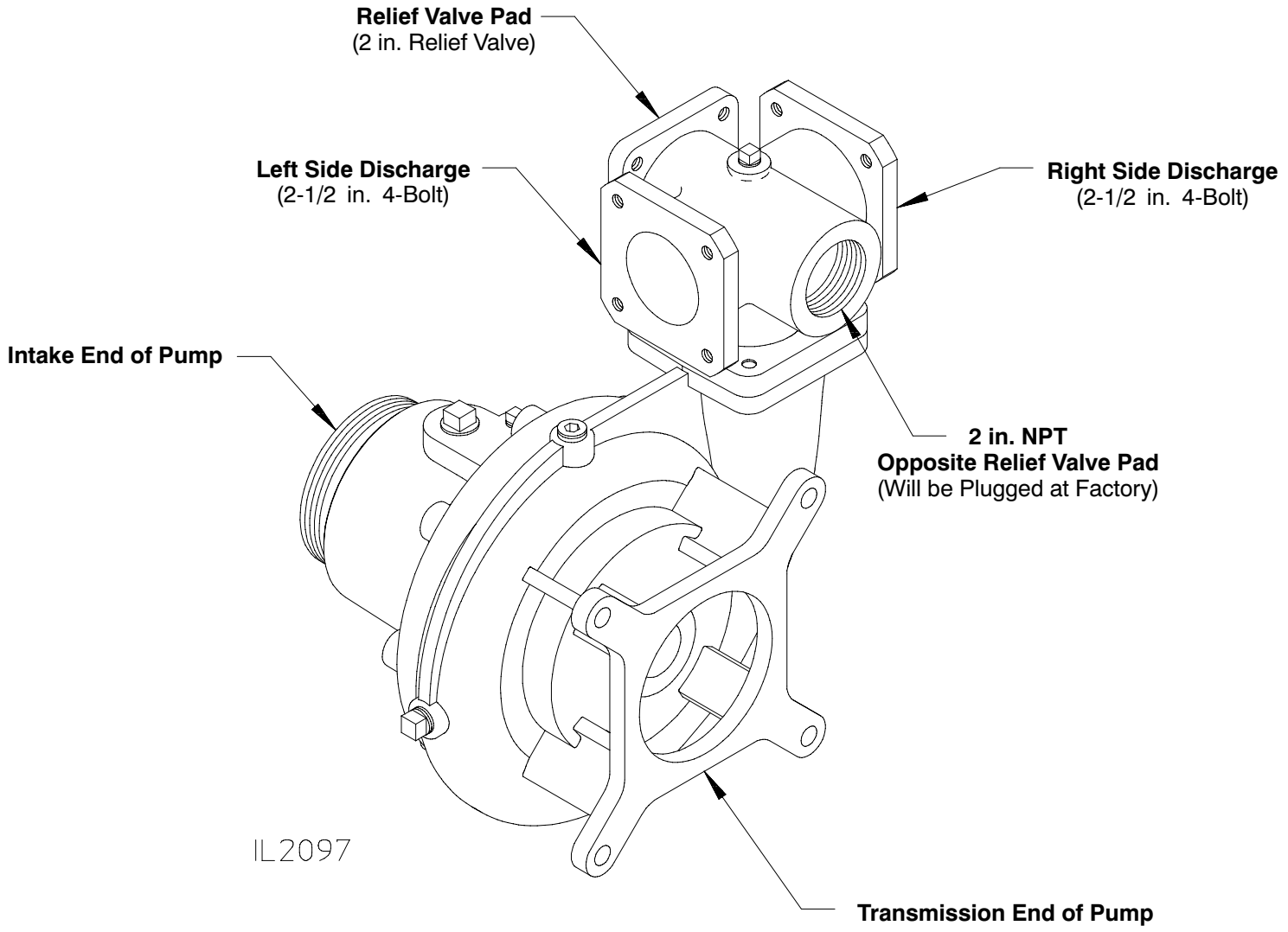
Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CLS, CCW Impeller Rotation



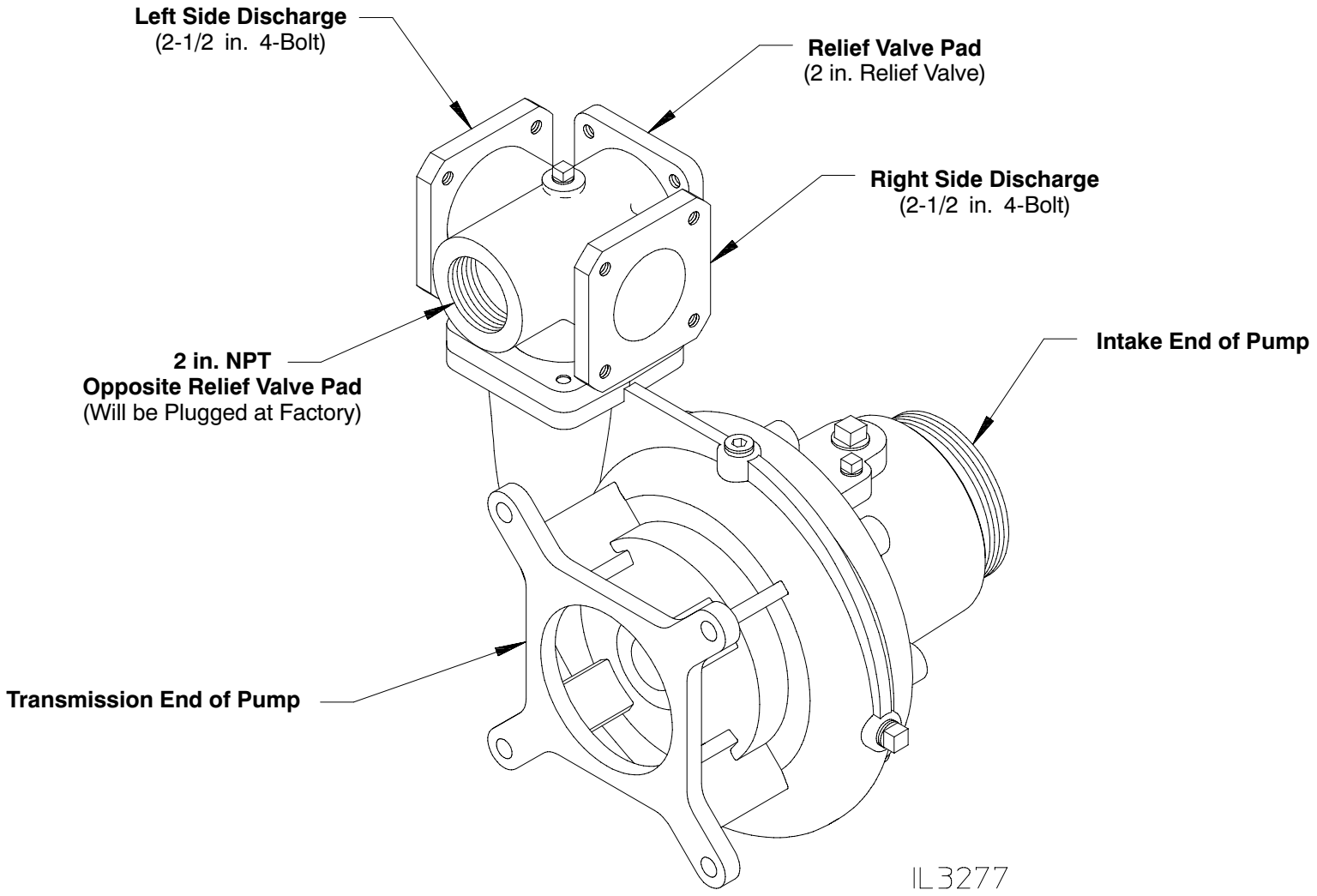
Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CLR/CLV, CW Impeller Rotation



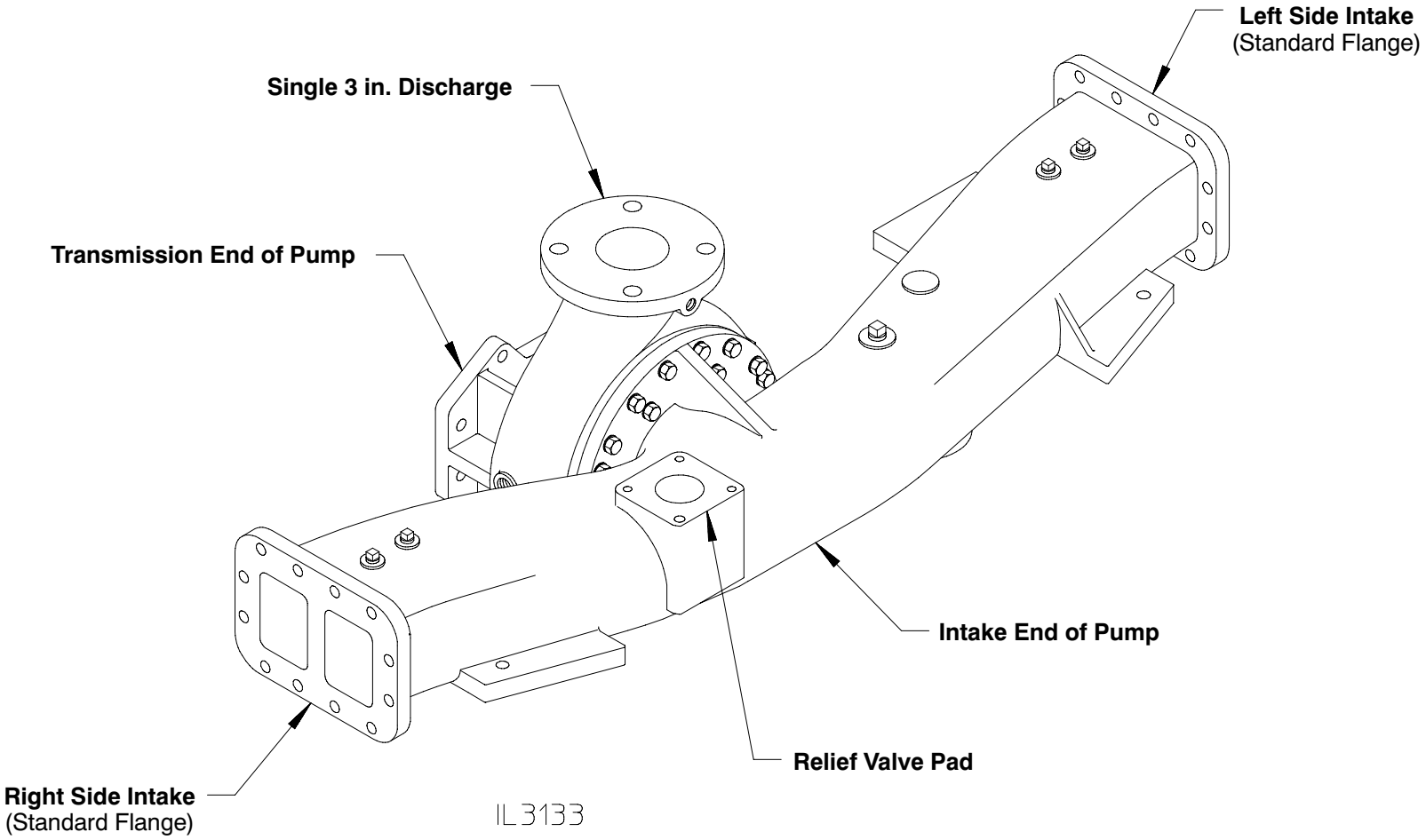
Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CLR/CLV, CCW Impeller Rotation



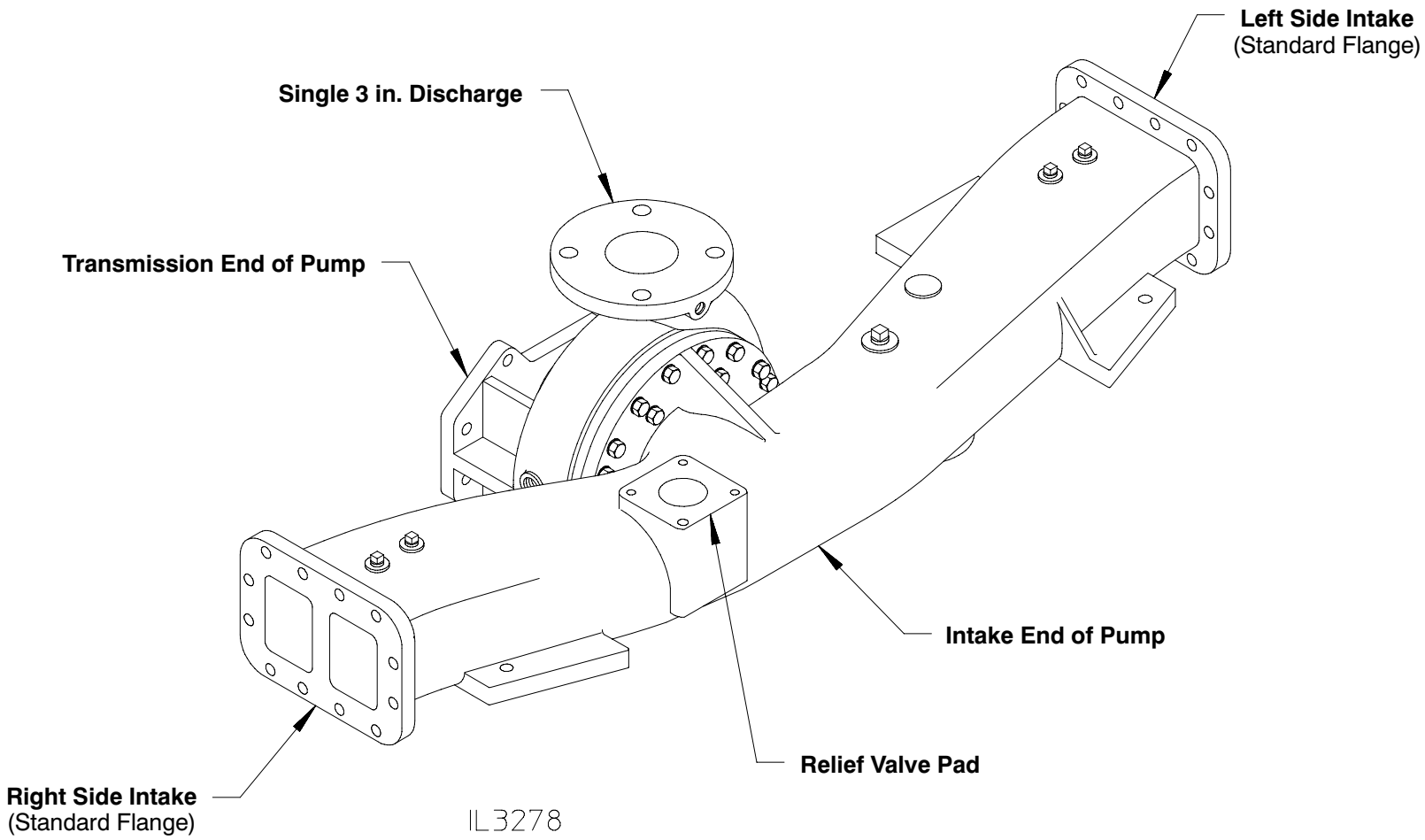
Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CGVG, CW Impeller Rotation



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

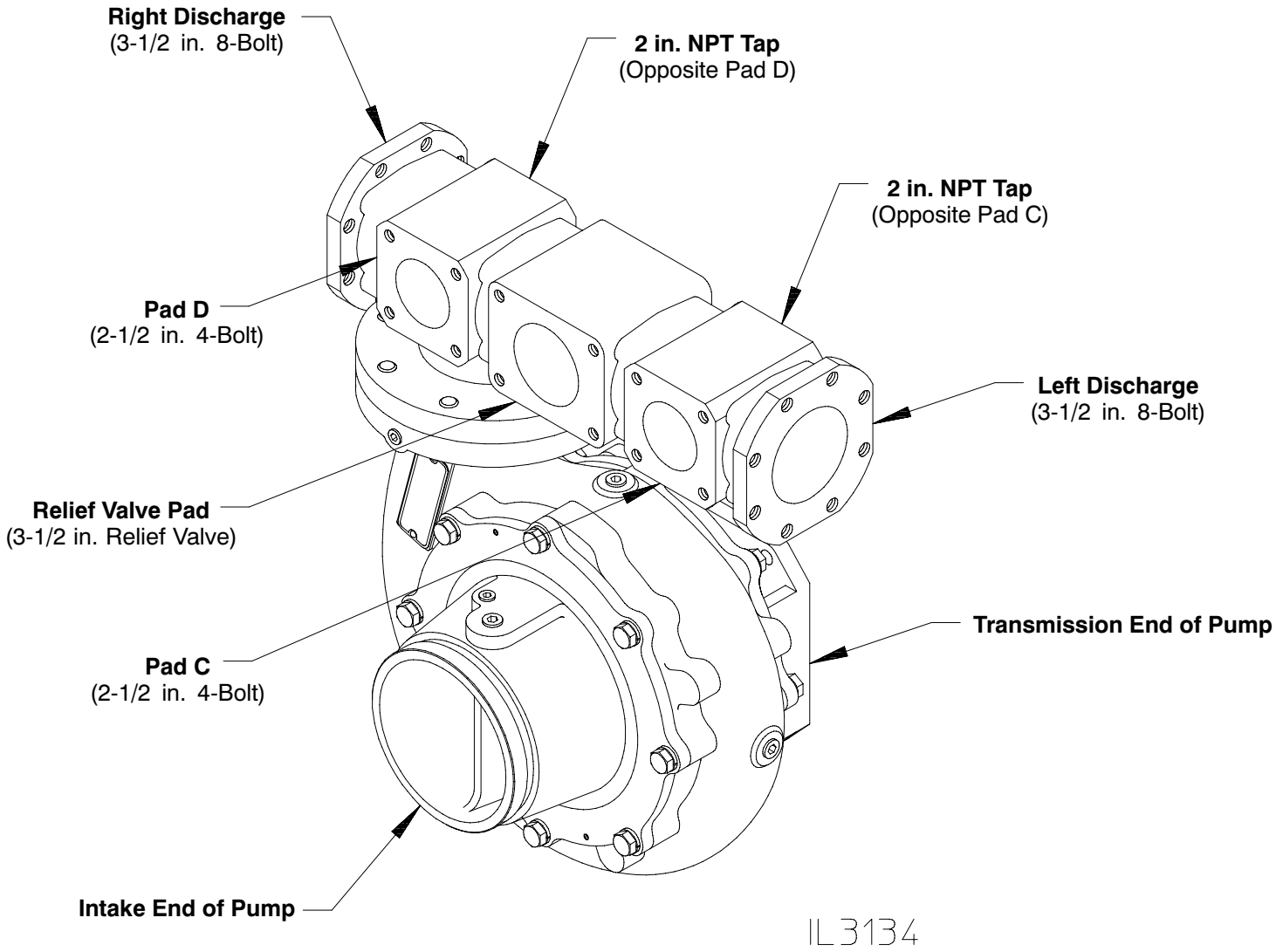
CGVG, CCW Impeller Rotation



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CX Series, CW Impeller Rotation

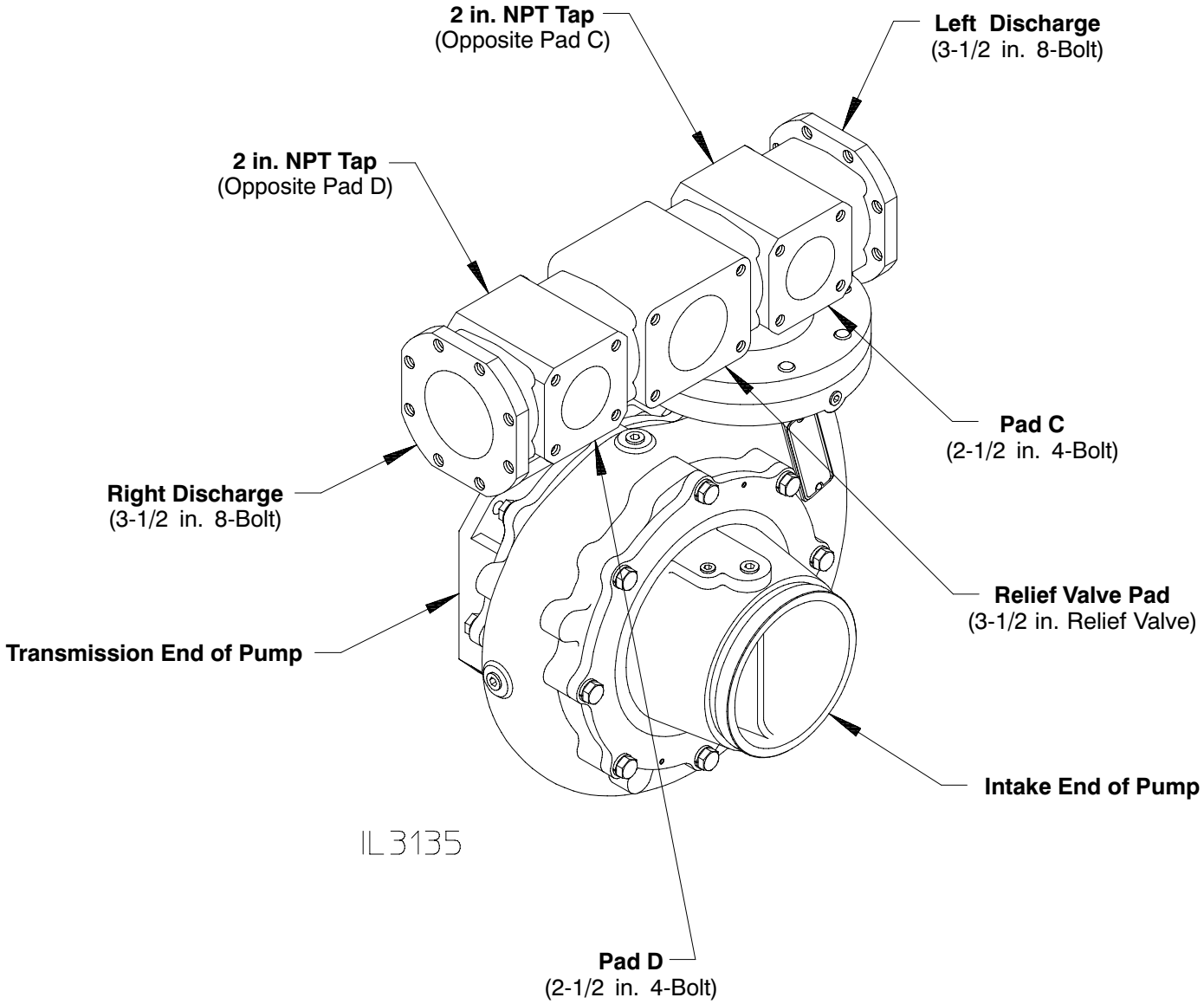
Manifold with 3-1/2 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CX Series, CCW Impeller Rotation

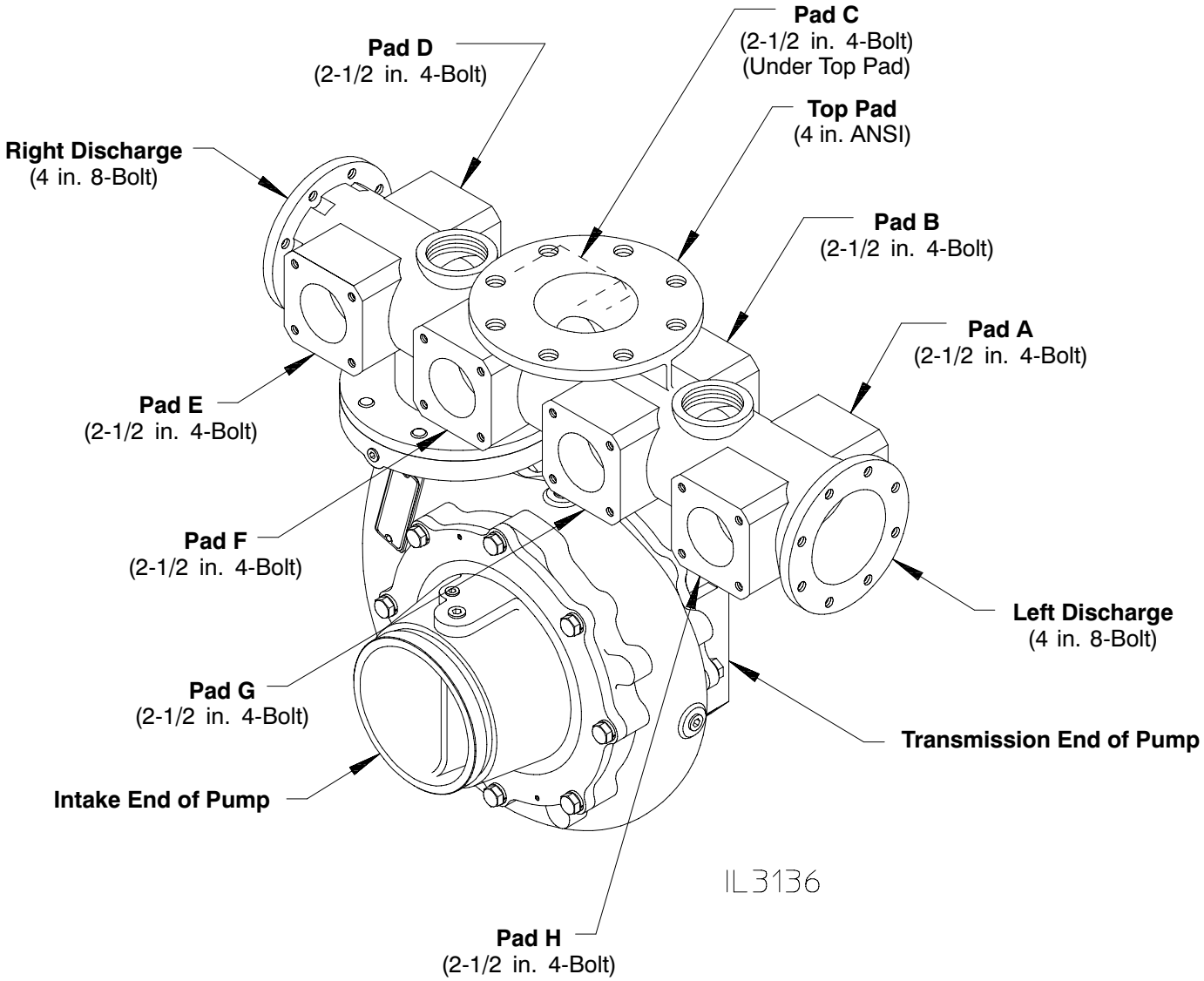
Manifold with 3-1/2 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CX Series, CW Impeller Rotation

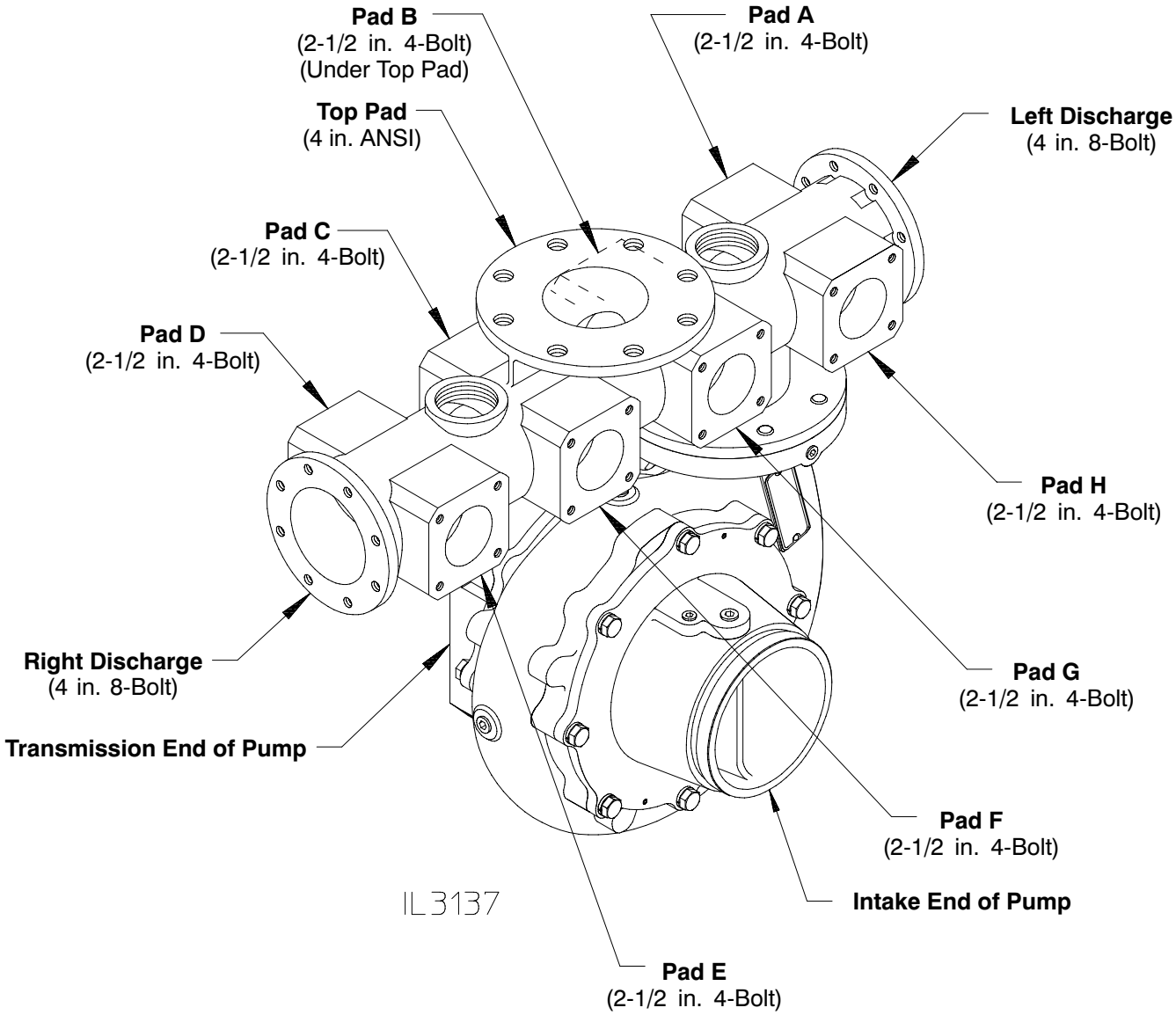
Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

CX Series, CCW Impeller Rotation

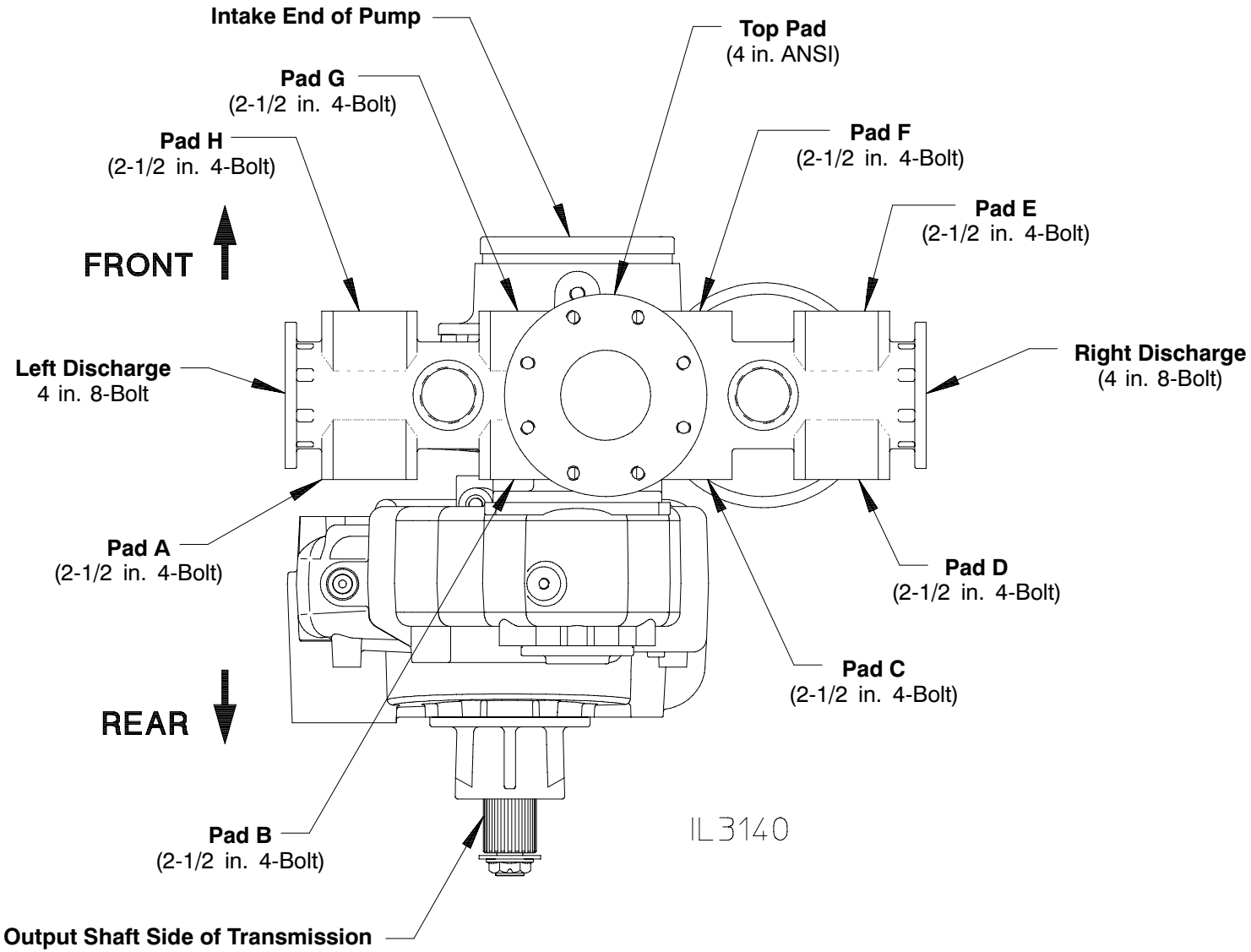
Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Transmission End of the Pump.

S100 Series, CW Impeller Rotation

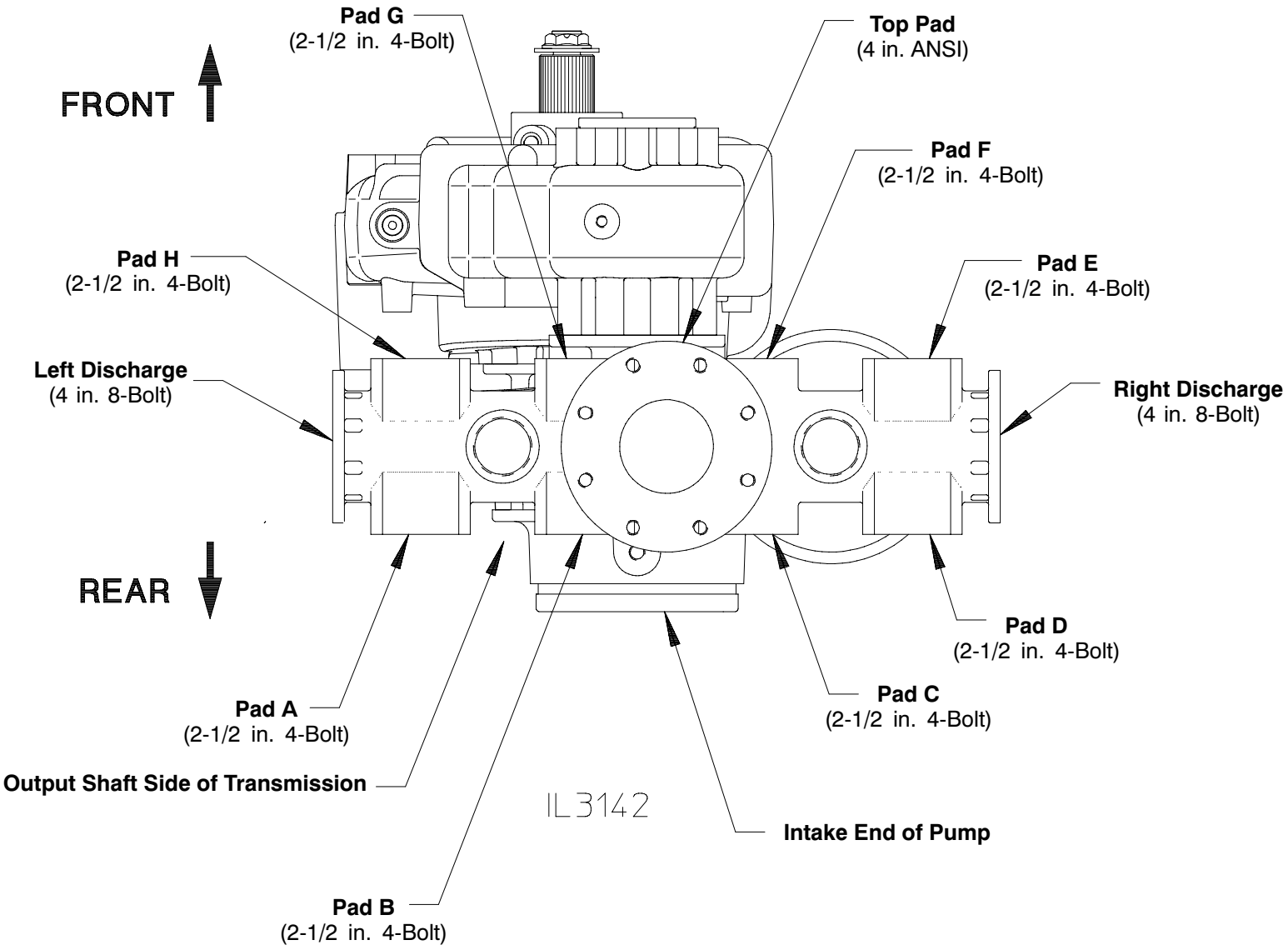
Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Output Shaft Side of the Transmission.

S100 Series, CCW Impeller Rotation

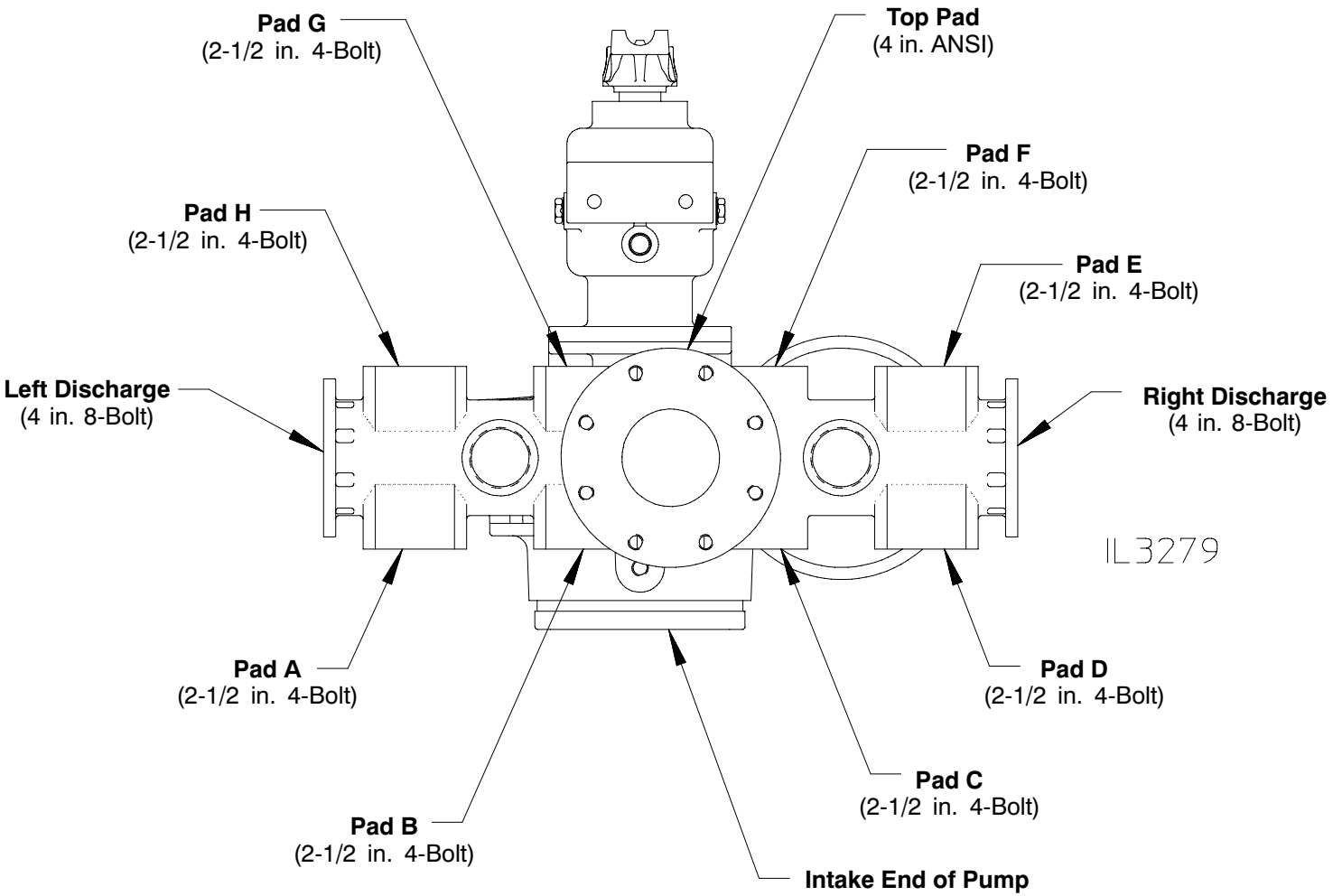
Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Output Shaft Side of the Transmission.

S100D, CCW Impeller Rotation

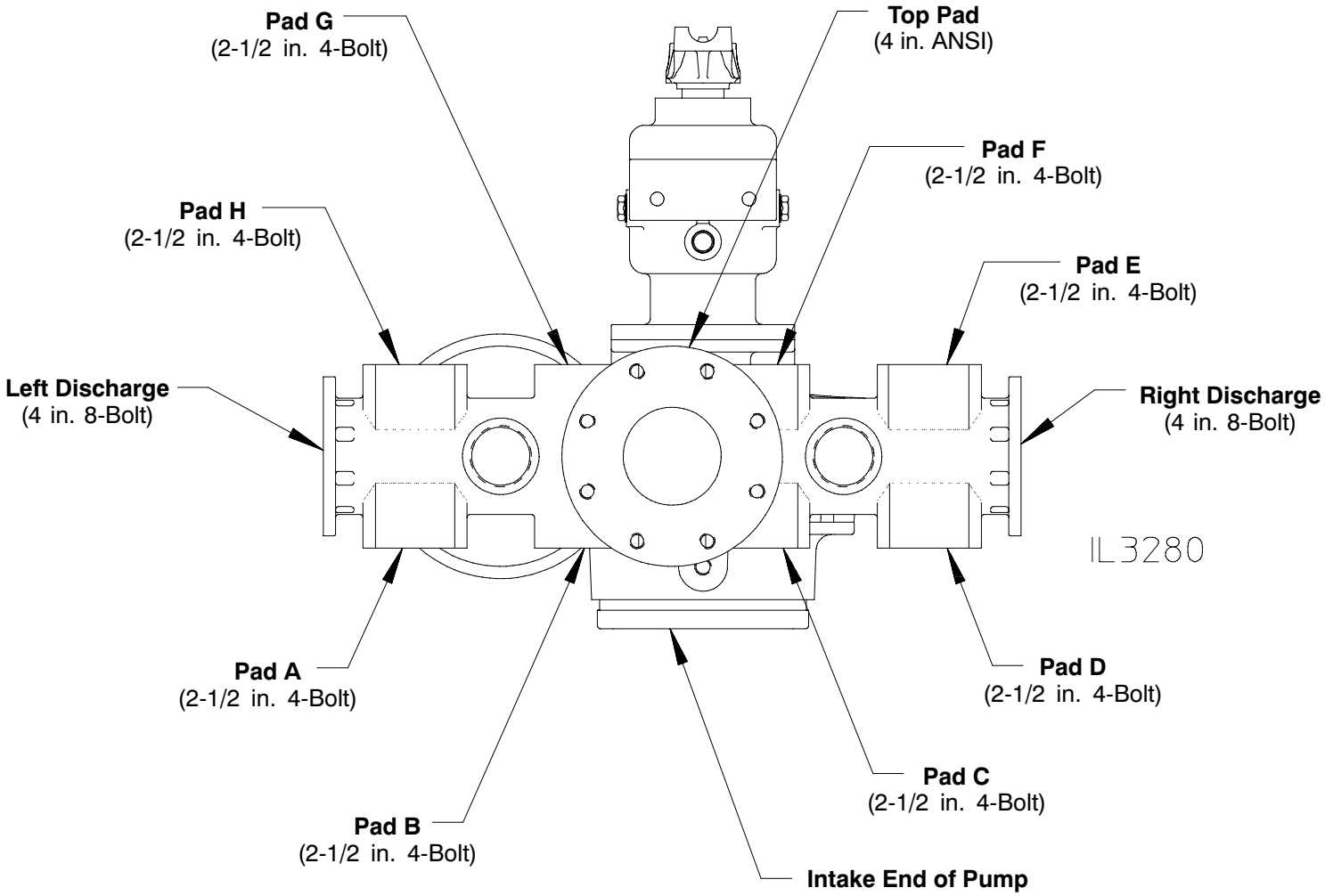
Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Intake End of Pump.

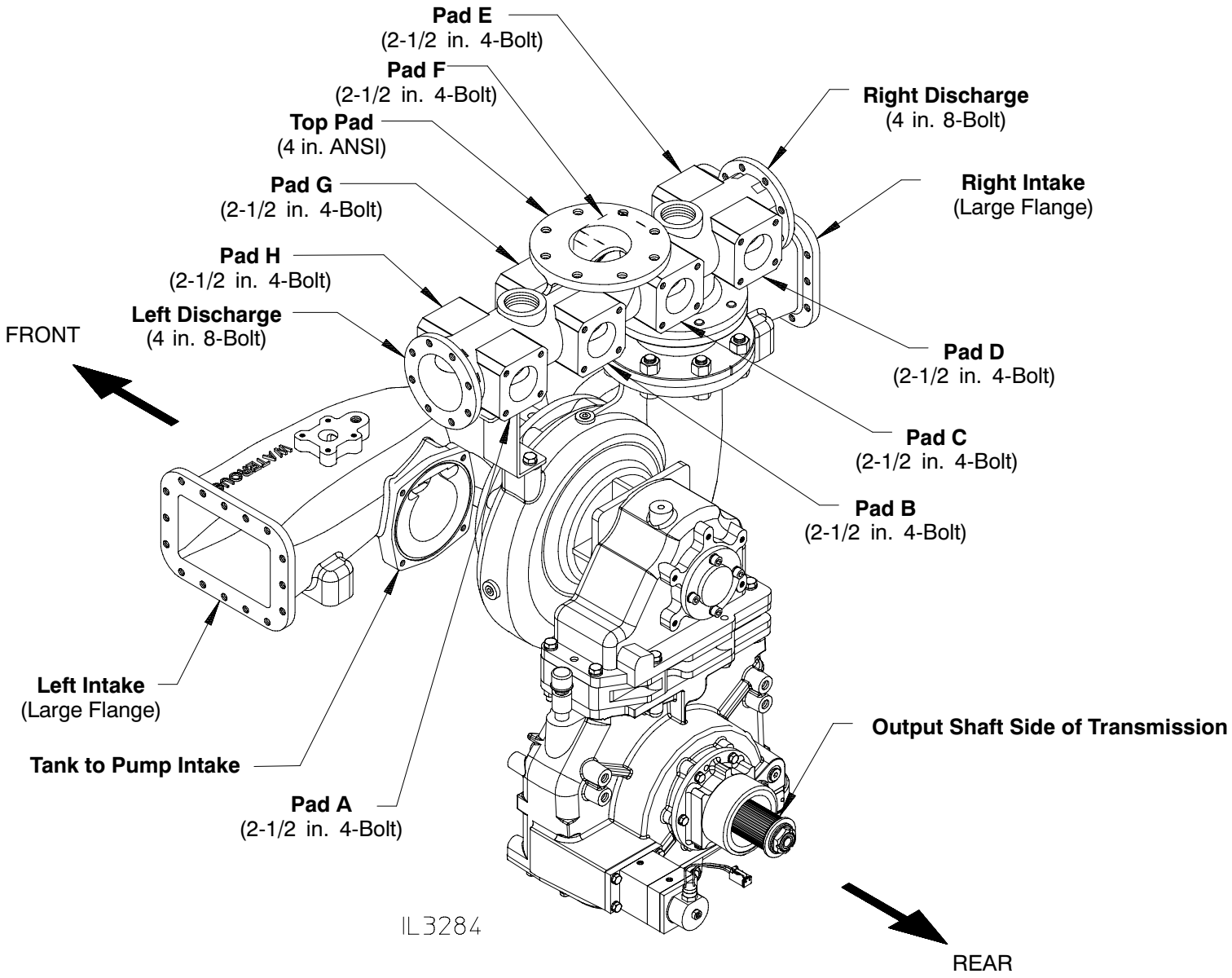
S100D, CW Impeller Rotation

Manifold with 4 in. End Flanges - Perpendicular to Intake



Note: Left and Right are Defined as Viewed From the Intake End of Pump.

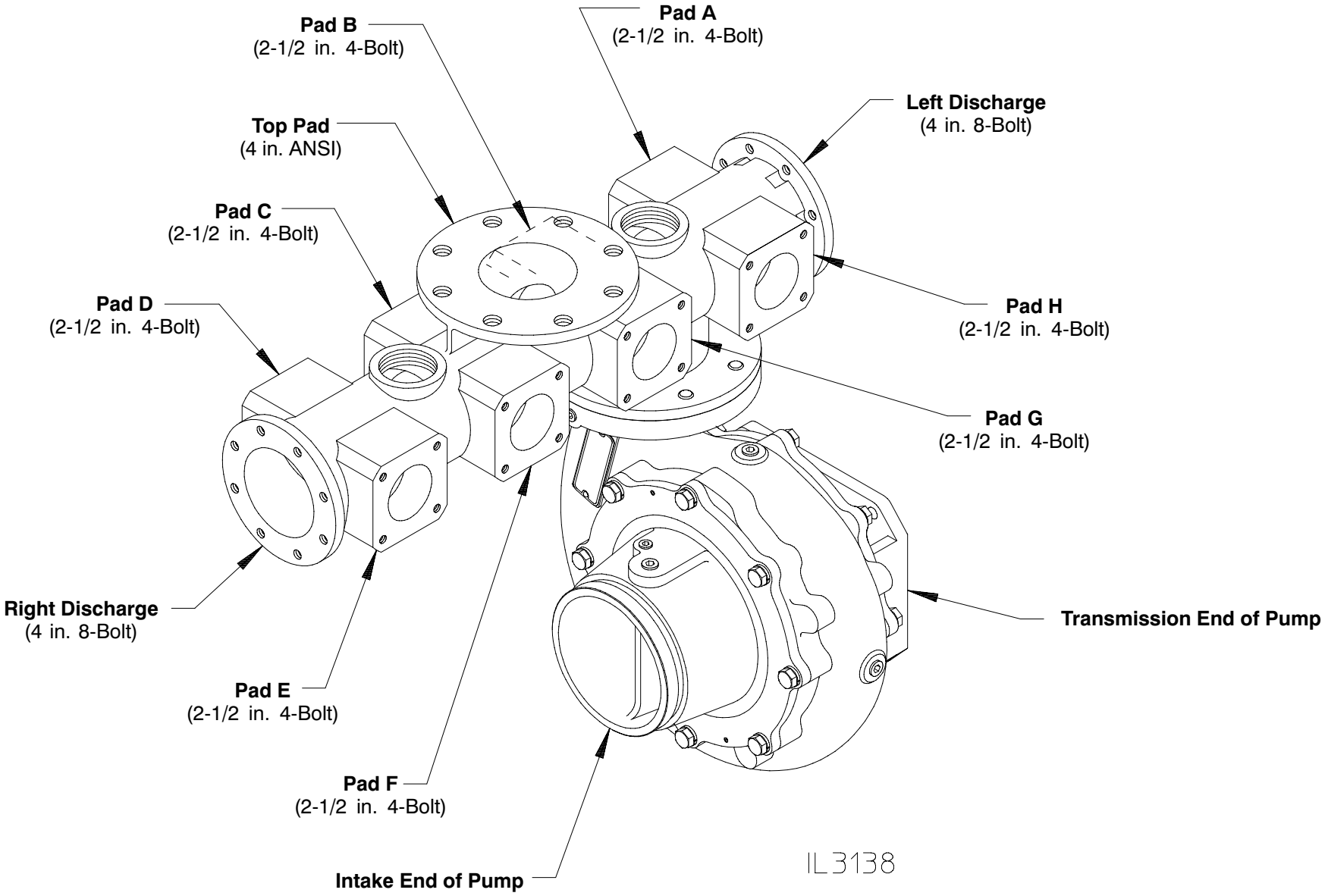
S101, CW Impeller Rotation



Note: Left and Right are Defined as Viewed From the Output Shaft Side of the Transmission.

CX Series, CW Impeller Rotation

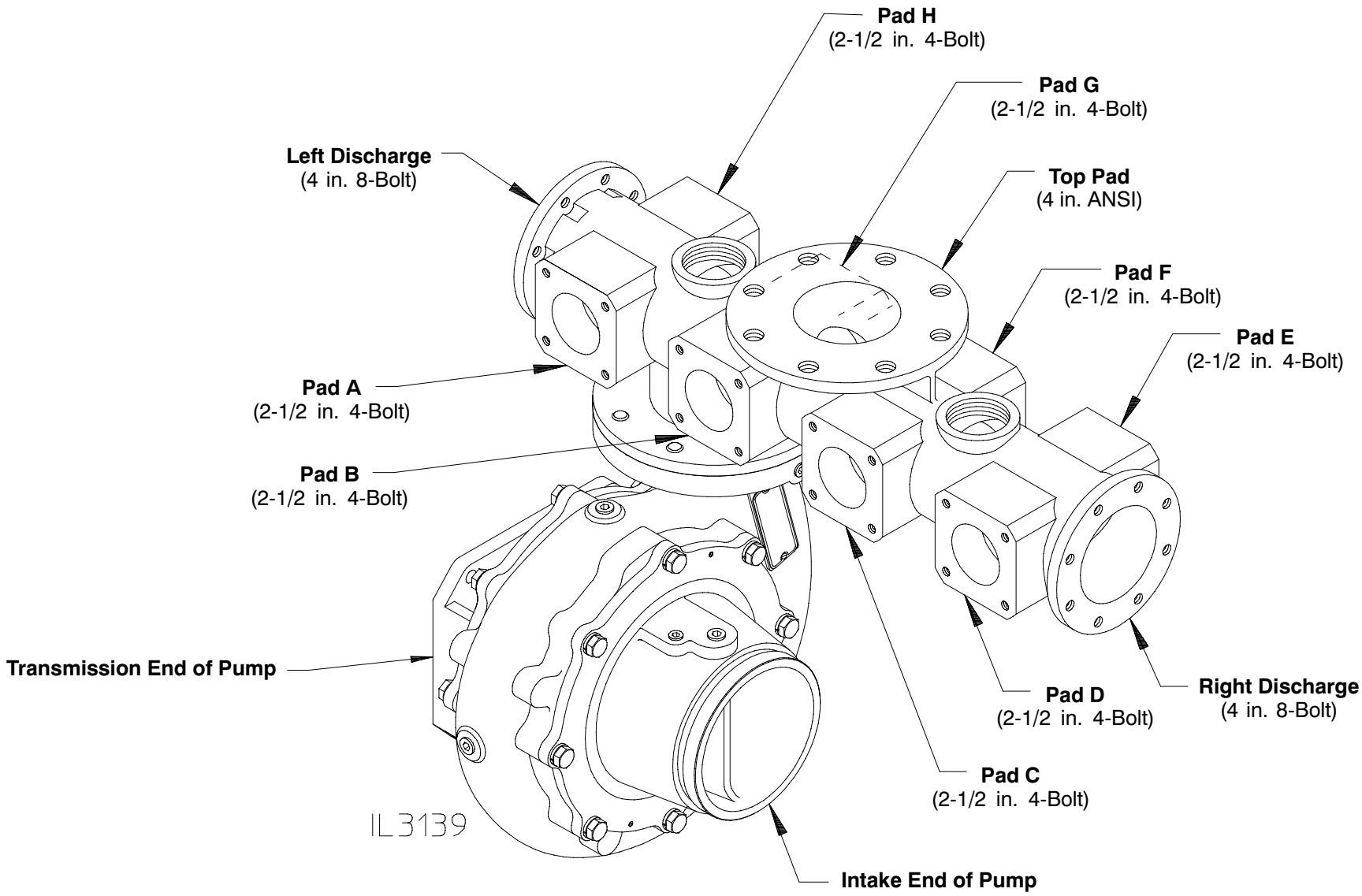
Manifold with 4 in. End Flanges - Parallel to Intake



Note: Left and Right are Defined as Viewed From the Side of the Pump with the Transmission on Your Left and the Intake on Your Right.

CX Series, CCW Impeller Rotation

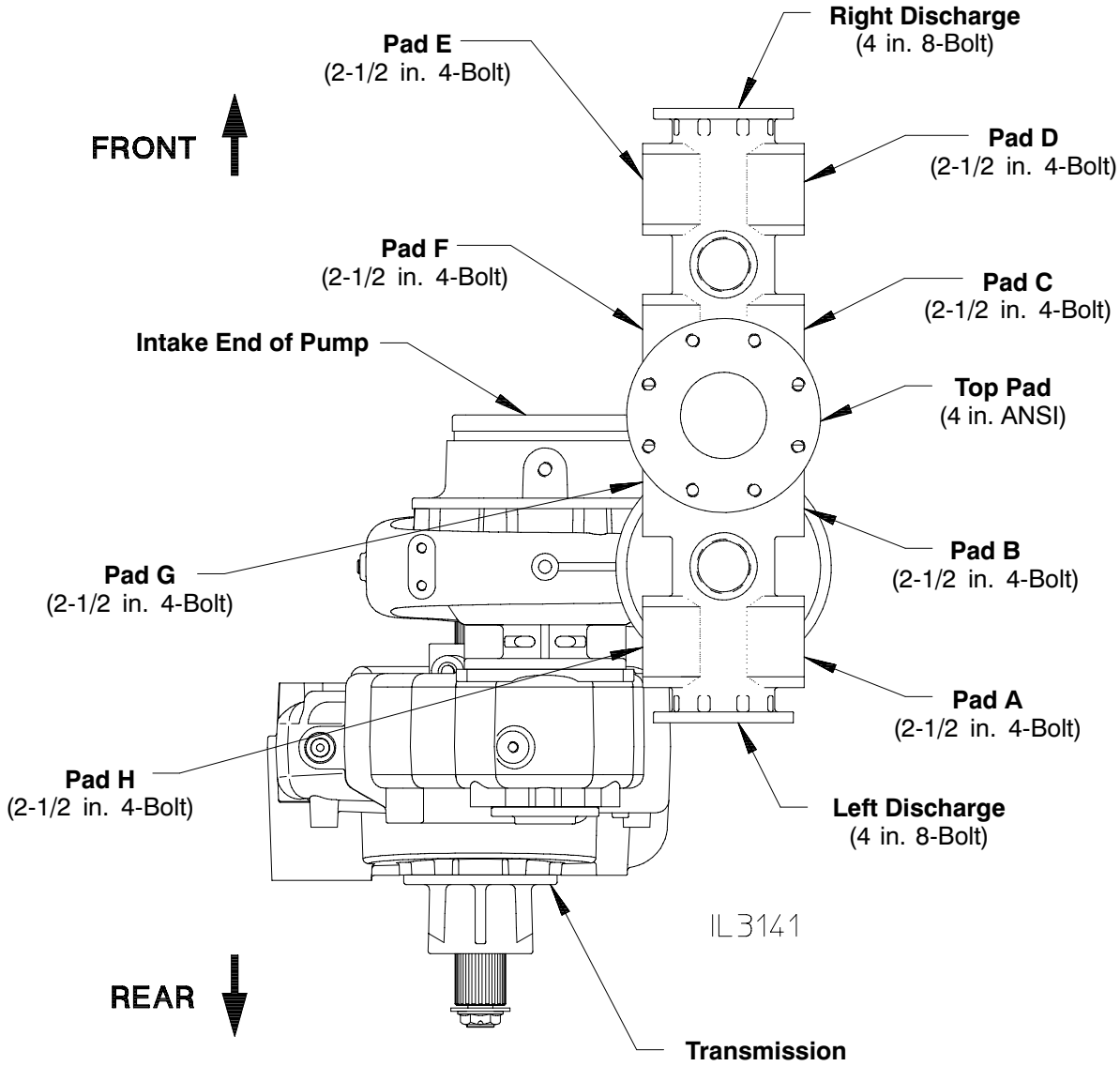
Manifold with 4 in. End Flanges - Parallel to Intake



Note: Left and Right are Defined as Viewed From the Side of the Pump with the Transmission on Your Left and the Intake on Your Right.

S100 Series, CW Impeller Rotation

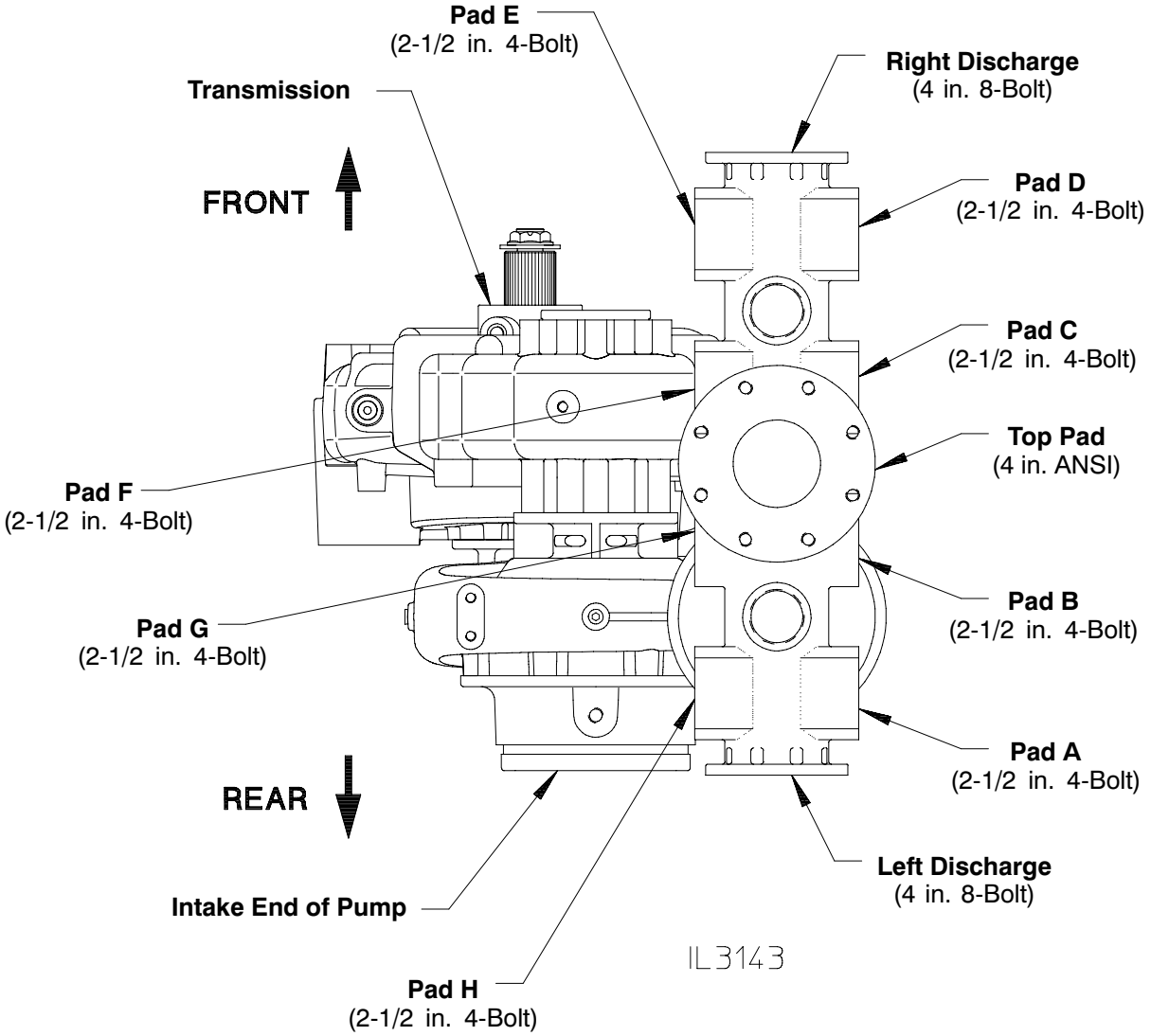
Manifold with 4 in. End Flanges - Parallel to Intake



Note: Left and Right are Defined as Viewed From the Side of the Pump with the Transmission on Your Left and the Intake on Your Right.

S100 Series, CCW Impeller Rotation

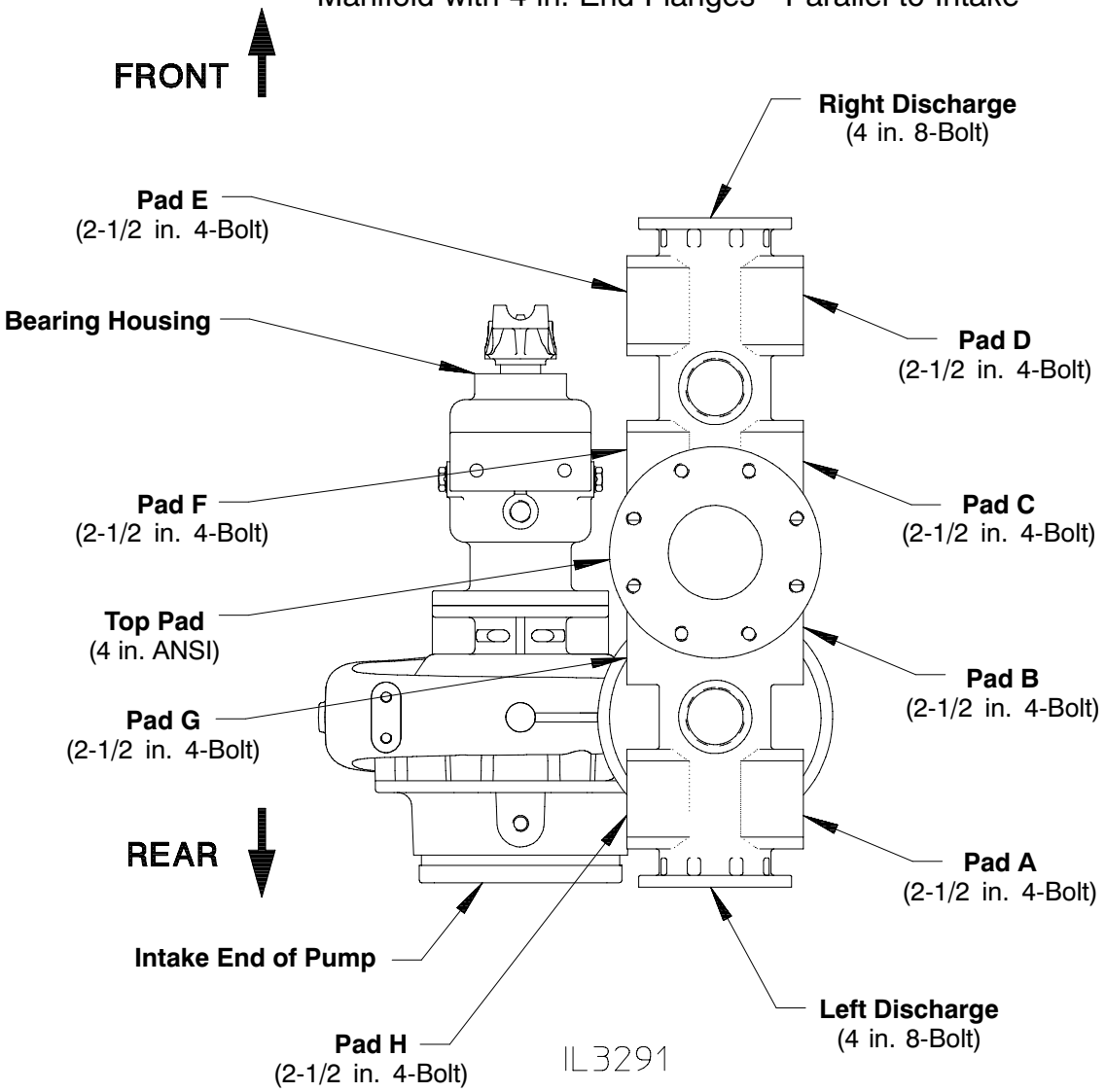
Manifold with 4 in. End Flanges - Parallel to Intake



Note: Left and Right are Defined as Viewed From the Side of the Pump with the Intake on Your Left and the Transmission on Your Right.

S100D, CCW Impeller Rotation

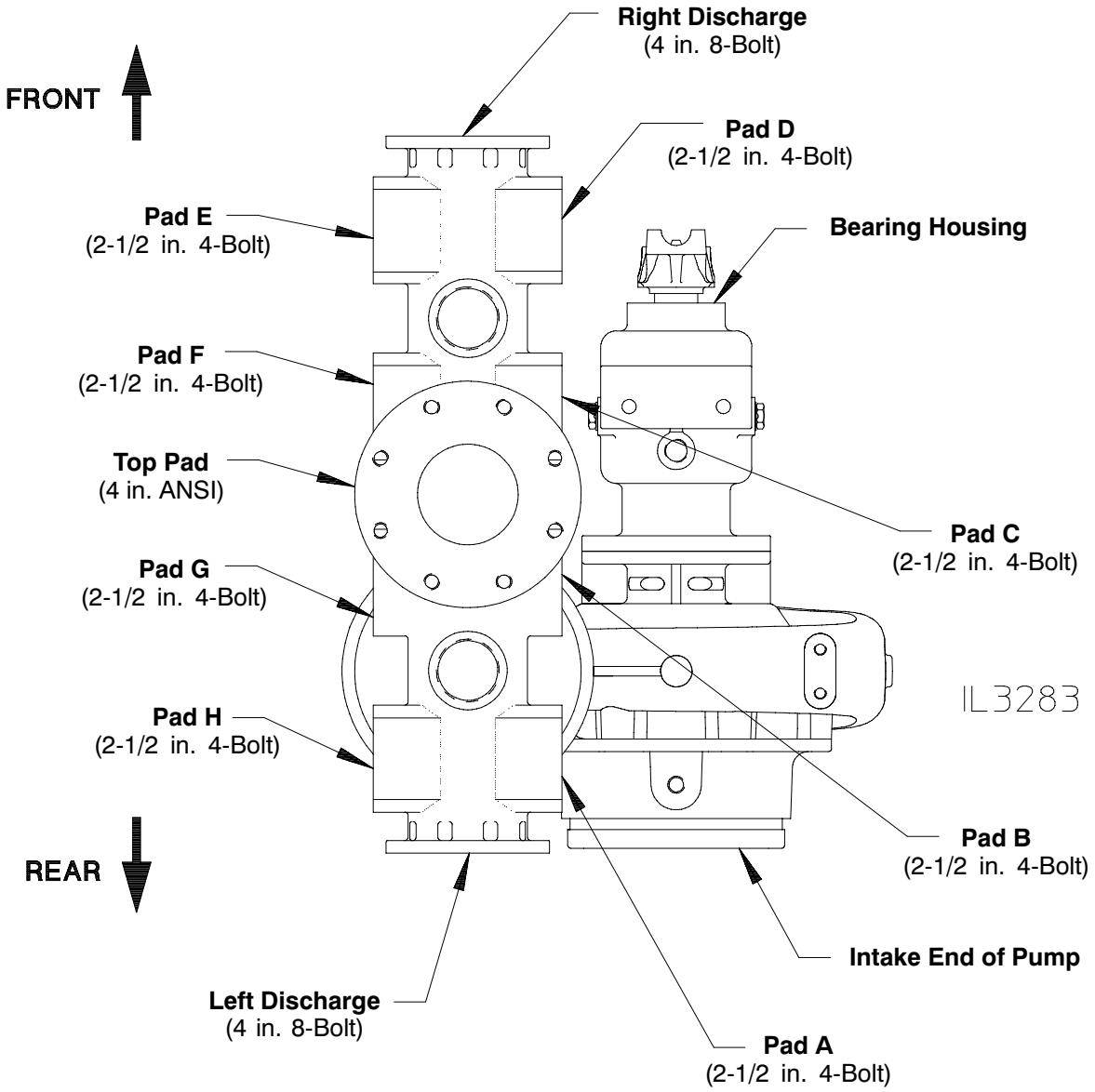
Manifold with 4 in. End Flanges - Parallel to Intake



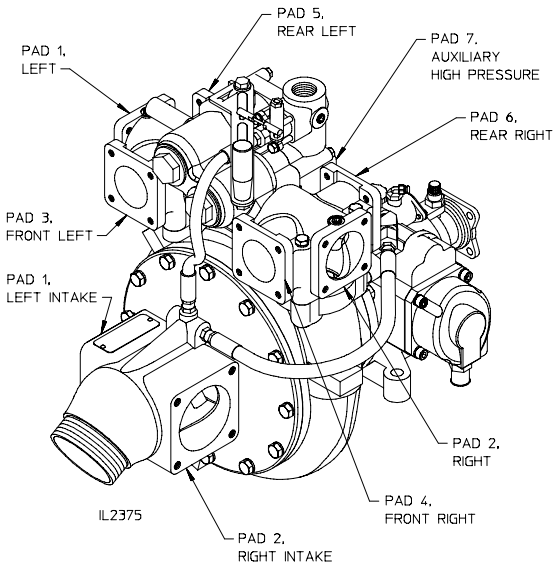
Note: Left and Right are Defined as Viewed From the Side of the Pump with the Intake on Your Left and the Bearing Housing on Your Right.

S100D, CW Impeller Rotation

Manifold with 4 in. End Flanges - Parallel to Intake

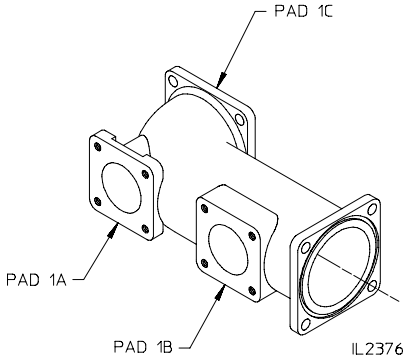


Note: Left and Right are Defined as Viewed From the Side of the Pump with the Intake on Your Left and the Bearing Housing on Your Right.

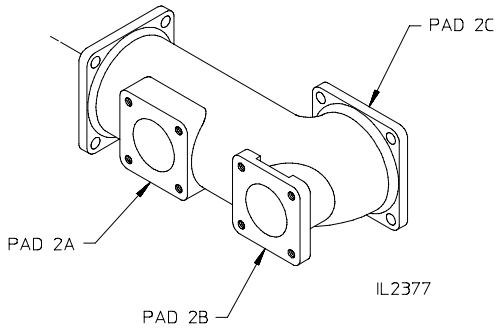


Intake Adapter and Discharge Manifold Pads

Note: Left and Right are Defined as Viewed From Intake End of the Pump.



Mounted on Left Intake Pad



Mounted on Right Intake Pad

OPTIONAL INTAKE MANIFOLD