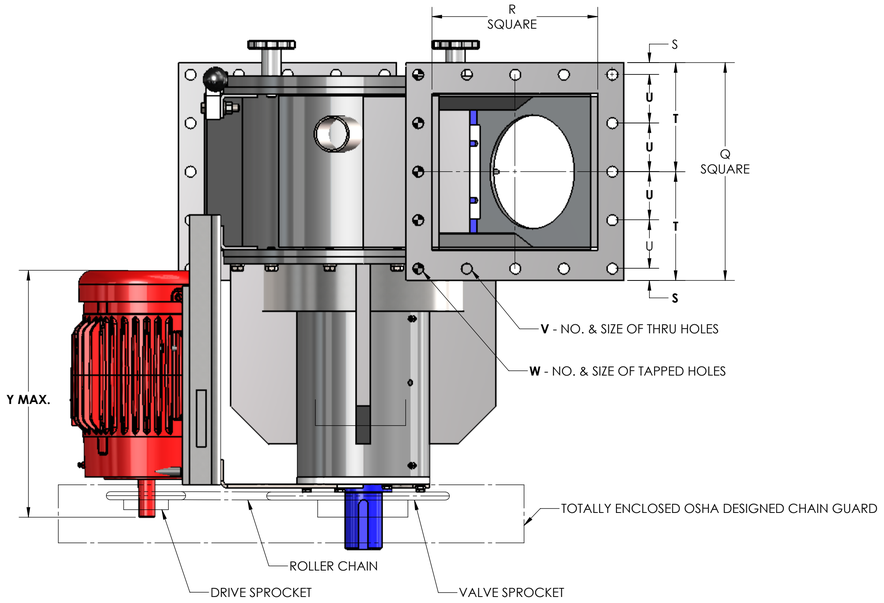
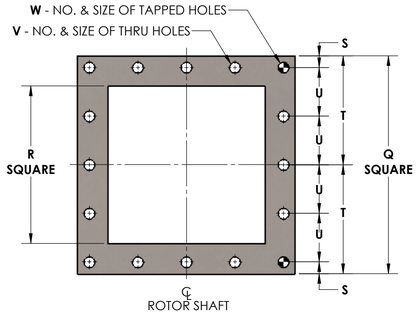
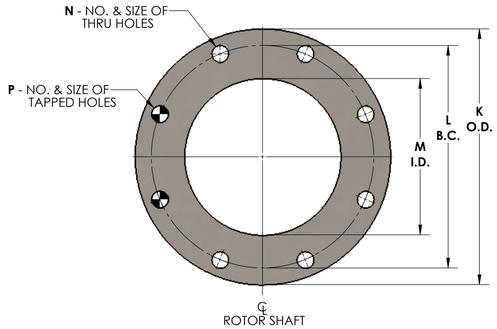
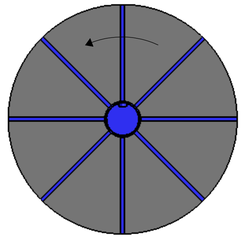




SQUARE FLANGE DETAIL
BOTTOM VIEW OUTLET
(SEE NOTE # 2)

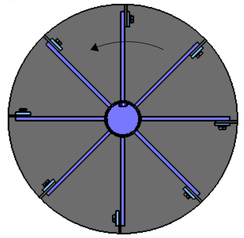


ROUND FLANGE DETAIL
TOP VIEW INLET
(SEE NOTE # 2)

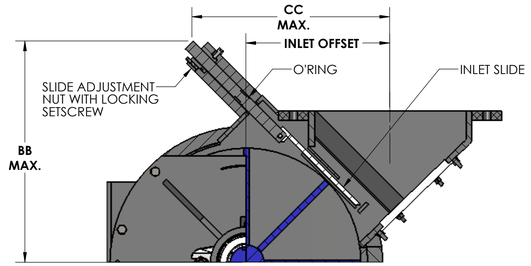


TYPE 'AS' ROTOR

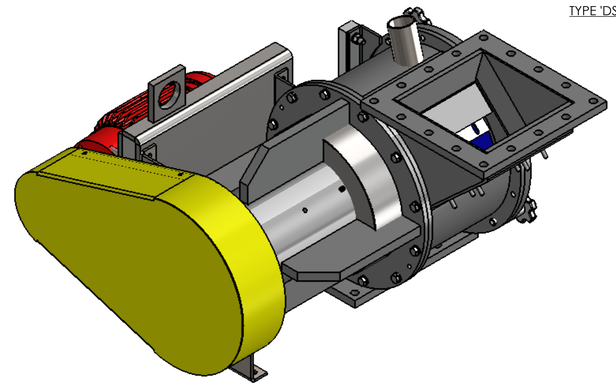
ROTOR SIZES: 4" - 12" - 8 VANES
14" - 24" - 12 VANES

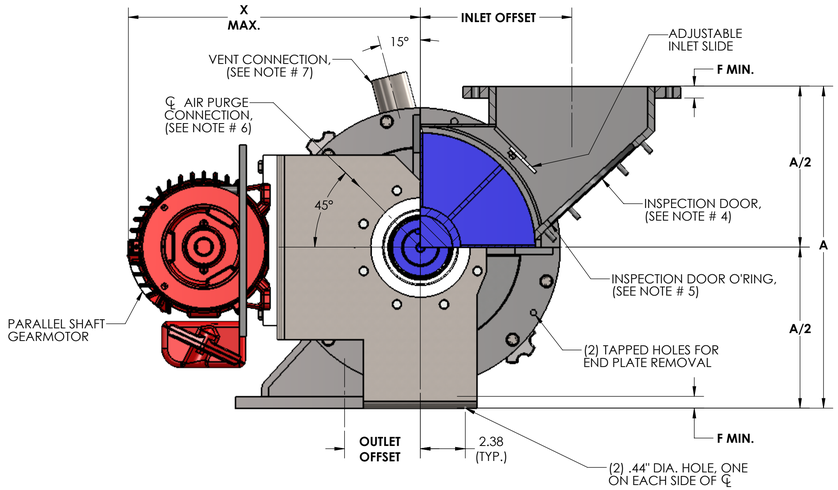


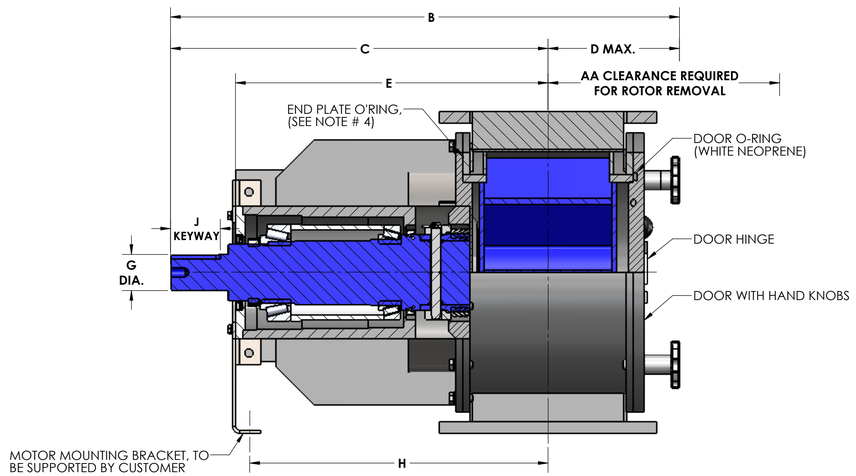
TYPE 'DS' ROTOR



EXTERNAL ADJUSTMENT INLET SLIDE
(SEE NOTE # 8)







NOTES:

1. VALVE HOUSINGS ARE CAST OF IRON, ALUMINUM, STEEL OR STAINLESS STEEL; OR FABRICATED OF STEEL OR STAINLESS STEEL. ALL ROTORS ARE FABRICATED OF STEEL OR STAINLESS STEEL.
2. VALVE HOUSINGS ARE AVAILABLE WITH A SQUARE OUTLET ONLY. FABRICATED HOUSINGS ARE AVAILABLE WITH EITHER SQUARE OR ROUND INLETS. CAST HOUSINGS AVAILABLE WITH SQUARE INLET ONLY. ROUND FLANGES MATCH 150# ANSI DRILLING. NOTE: USE ROUND OUTLET ONLY WITH FREE FLOWING MATERIAL.
3. VALVES ARE DESIGNED FOR 15 PSI (MAX.) INTERNAL PRESSURE AND 5 PSI (MAX.) DIFFERENTIAL PRESSURE @ 250 DEGREES F.
4. INSPECTION DOOR IS OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED.
5. END PLATE AND INSPECTION DOOR "O" RINGS ARE OPTIONAL AND WILL ONLY BE FURNISHED WHEN SPECIFIED. DOOR "O" RING IS STANDARD.
6. AIR PURGE CONNECTION, 1/8" NPT IS OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED.
7. VENT CONNECTION IS OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED. STANDARD VENT CONNECTION IS 6" LONG SECTION OF SCH. 10 PIPE.
8. EXTERNAL ADJUSTMENT SLIDE IS OPTIONAL AND WILL BE FURNISHED ONLY WHEN SPECIFIED. EXTERNAL ADJUSTMENT IS AVAILABLE ONLY ON FABRICATED VALVES WITH SQUARE INLET.

Size	ROTOR DIA x LG.	CAP. CU. FT./REV. AS	CAP. CU. FT./REV. DS	INLET OFFSET	OUTLET OFFSET	STD RPM	VENT SIZE	STD HP	A	B	C	D	E	F	G	H	J	K	L	M	N	Q	R	S	T	U	V	W	X	Y	AA	BB	CC	WEIGHT C/S	ROTOR WEIGHT
4	6 x 3.50	.015	.0137	4.00	2.00	30	1.00	.50	10.00	20.81	16.31	4.50	13.06	.31	1.19	12.38	.25 x .12 x 2.62	9.00	7.50	4.00	(8) .75	7.50	4.00	.62	3.12	N/A	(6) .56	(2) .50-13UNC-2B	14.94	20.38	12.31	7.75	7.31	255	20
5	8 x 4.50	.0372	.0356	5.00	2.50	30	1.25	.50	12.00	20.50	10.94	8.31	7.94	.44	1.44	14.00	.38 x .19 x 2.62	10.00	8.50	5.00	(8) .88	8.50	5.00	.62	3.62	N/A	(6) .56	(2) .50-13UNC-2B	15.94	20.38	14.50	9.25	8.62	300	25
6	10 x 5.50	.0756	.0736	6.00	3.00	30	1.25	.50	14.00	22.38	11.88	9.25	8.88	.44	1.94	15.19	.50 x .25 x 2.62	11.00	9.50	6.00	(8) .88	9.50	6.00	.62	4.12	N/A	(6) .56	(2) .50-13UNC-2B	17.00	20.38	17.06	12.38	11.19	325	30
8	12 x 7.25	.144	.142	8.00	4.00	30	1.50	.75	17.00	24.38	12.88	10.25	9.88	.44	1.94	15.75	.50 x .25 x 2.62	13.50	11.75	8.00	(8) .88	11.50	8.00	.62	5.12	2.56	(16) .56	N/A	18.00	20.38	20.31	12.62	12.19	455	40
10	15 x 9.25	.298	.295	9.50	5.00	28	2.00	.75	20.00	26.62	13.88	11.25	10.88	.44	2.19	17.19	.50 x .25 x 2.62	16.00	14.25	10.00	(12) 1.00	14.75	10.00	1.00	6.38	3.19	(15) .56	(1) .50-13UNC-2B	19.62	20.38	24.75	15.25	13.62	585	75
12	17 x 11.25	.473	.469	11.00	6.00	28	2.00	1.00	22.00	29.75	15.81	12.44	12.06	.56	2.44	18.06	.62 x .31 x 3.38	19.00	17.00	12.00	(12) 1.00	16.75	12.00	1.00	7.38	3.69	(15) .56	(1) .50-13UNC-2B	20.62	21.38	27.75	17.12	15.44	860	120
14	19 x 12.25	.631	.625	12.00	6.50	28	2.00	1.00	24.00	30.75	16.31	12.94	12.56	.56	2.44	20.06	.62 x .31 x 3.38	21.00	18.75	13.00	(12) 1.12	18.00	13.00	1.00	8.00	4.00	(11) .56	(5) .50-13UNC-2B	21.56	21.38	30.25	19.75	18.38	1,210	160

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION

REV. NO.	DESCRIPTION	DATE	BY

REVISIONS

CUSTOMER

CUST. NO.

YOUNG ORDER NO.

TITLE

YOUNG INDUSTRIES MODEL 'CA-SE'
ROTARY VALVE, SIZE 4" - 14", CLASS 15
WITH PARALLEL SHAFT DRIVE,
STANDARD DIMENSION SHEET

THE YOUNG INDUSTRIES, INC.
MUNCY, PENNSYLVANIA 17756
TELEPHONE: 570-546-3165

GENERAL TOLERANCES

UNLESS OTHERWISE SPECIFIED THE FOLLOWING SHALL APPLY

MACHINING - .XX± .02 .XXX± .005 ANGLE± .50°
SURFACE ROUGHNESS HEIGHT 63 MICROINCHES OR LESS

FABRICATION - UNDER 6 6 TO 24 24 TO 60 OVER 60
± .06 ± .12 ± .19 ± .25

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DRAWN BY:	BMF	DATE DRAWN:	4/11/16
CHECKED BY:		SCALE:	1:4
DRAWING NUMBER	S-4-6514	REV:	