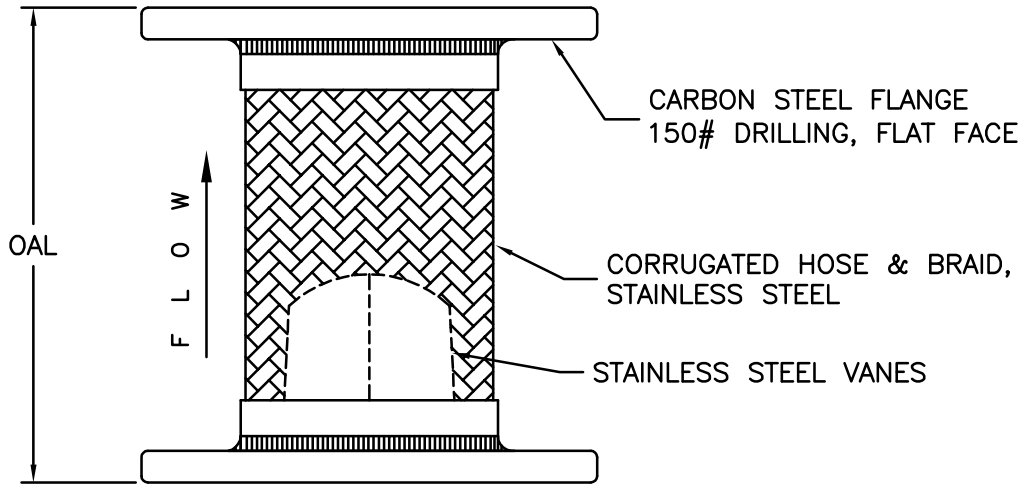


VANE FLEX FLANGED ENDS



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F

TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES

QTY	MODEL #	SIZE	OAL	PRESS. @ 70°F	NOTES
	VF0200	2	9	455	
	VF0250	2 1/2	9	345	
	VF0300	3	9	289	
	VF0400	4	9	300	
	VF0500	5	11	220	
	VF0600	6	11	200	
	VF0800	8	12	190	
	VF1000	10	13	150	
	VF1200	12	14	125	
	VF1400	14	14	105	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

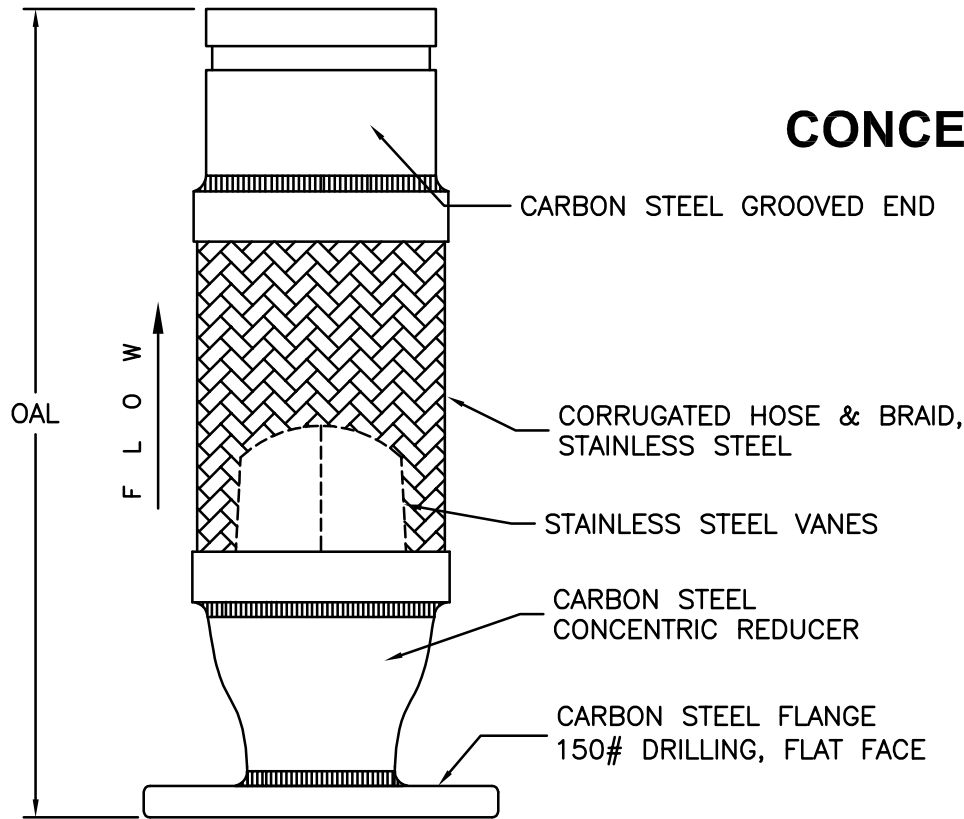
REV.	DATE	DESCRIPTION
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION:		
VANE FLEX WITH 150# PLATE FLANGES		
DRAWN BY:	MIR	DATE: 1/6/2012
APPROVED:	JR	DATE: 1/6/2012
SCALE:	DRAWING NUMBER:	
NONE	VF	

CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

VANE FLEX GROOVED END CONCENTRIC REDUCER



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F	
TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES


QTY	MODEL #	SIZE	OAL	PRESS. @ 70°F	NOTES
	VFRFG0225	2 X 2.5	15.00	345	
	VFRFG0203	2 X 3	15.00	289	
	VFRFG2503	2.5 X 3	15.00	289	
	VFRFG0204	2 X 4	15.50	300	
	VFRFG2504	2.5 X 4	15.50	300	
	VFRFG0304	3 X 4	15.50	300	
	VFRFG2505	2.5 X 5	18.50	220	
	VFRFG0305	3 X 5	18.50	220	
	VFRFG0405	4 X 5	18.50	220	
	VFRFG0306	3 X 6	19.00	200	
	VFRFG0406	4 X 6	19.00	200	
	VFRFG0506	5 X 6	19.00	200	
	VFRFG0408	4 X 8	21.00	190	
	VFRFG0508	5 X 8	21.00	190	
	VFRFG0608	6 X 8	21.00	190	
	VFRFG0610	6 X 10	23.00	150	
	VFRFG0810	8 X 10	23.00	150	
	VFRFG1012	10 X 12	23.00	125	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

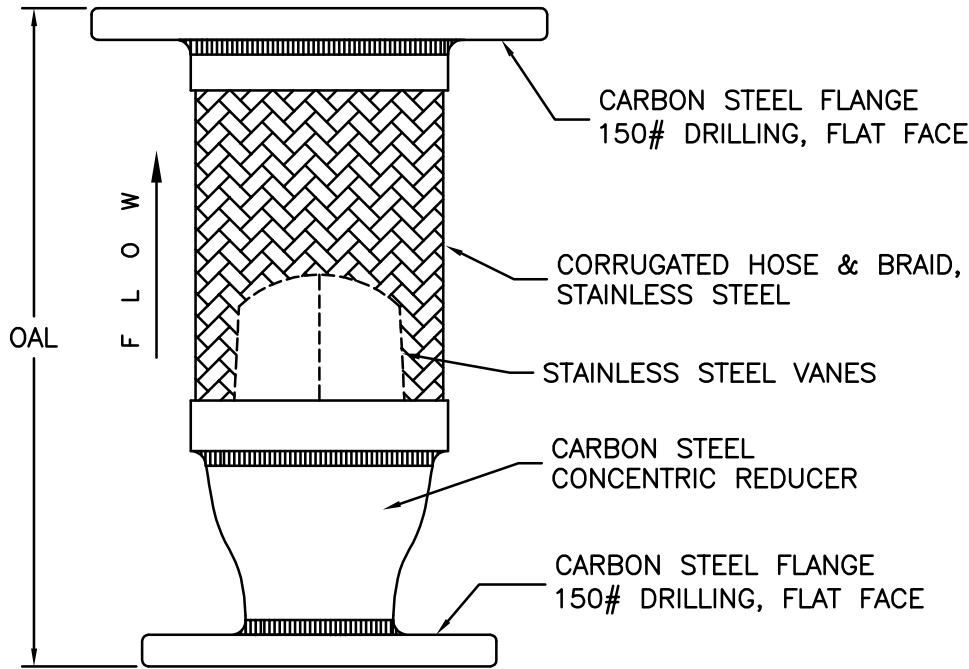
CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION
		
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGE X GROOVE END CONCENTRIC REDUCER		
DRAWN BY: MIR		DATE: 1/6/2012
APPROVED: JR		DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VFRFG	

VANE FLEX FLANGED ENDS CONCENTRIC REDUCER



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F

TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES

QTY	MODEL #	SIZE	OAL	PRESS. @ 70°F	NOTES
	VFR0225	2 X 2.5	12.25	345	
	VFR0203	2 X 3	12.25	289	
	VFR2503	2.5 X 3	12.25	289	
	VFR0204	2 X 4	12.75	300	
	VFR2504	2.5 X 4	12.75	300	
	VFR0304	3 X 4	12.75	300	
	VFR2505	2.5 X 5	15.75	220	
	VFR0305	3 X 5	15.75	220	
	VFR0405	4 X 5	15.75	220	
	VFR0306	3 X 6	16.25	200	
	VFR0406	4 X 6	16.25	200	
	VFR0506	5 X 6	16.25	200	
	VFR0408	4 X 8	17.50	190	
	VFR0508	5 X 8	17.50	190	
	VFR0608	6 X 8	17.50	190	
	VFR0610	6 X 10	19.50	150	
	VFR0810	8 X 10	19.50	150	
	VFR1012	10 X 12	21.50	125	


MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION

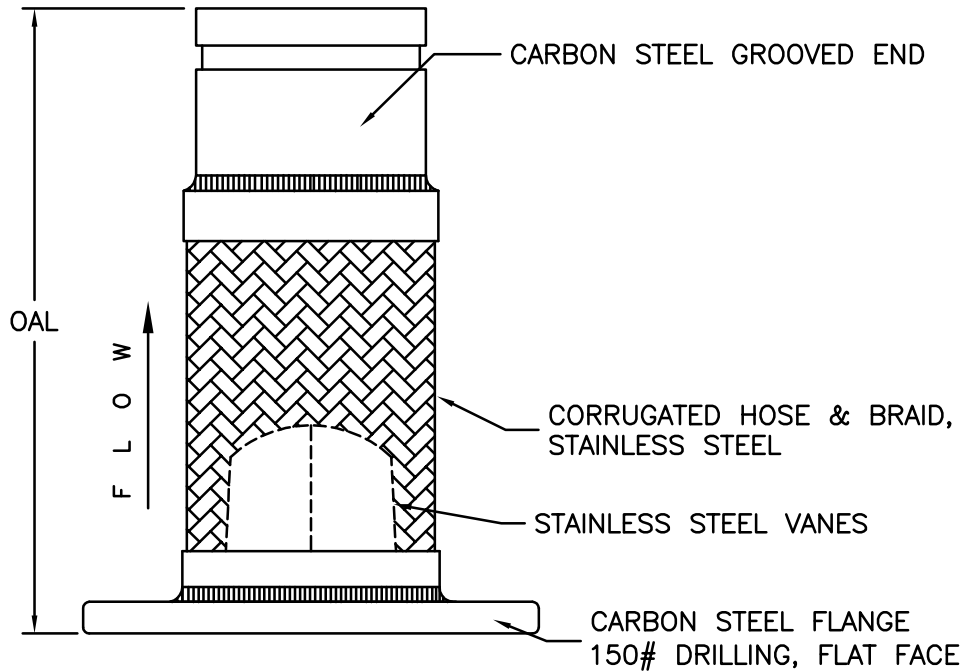


 2323 W. HUBBARD ST.
 CHICAGO, IL 60612
 TEL: 312-738-3800
 FAX: 312-738-0415
 WWW.METRAFLEX.COM

DESCRIPTION:
VANE FLEX WITH 150# PLATE FLANGES
AND CONCENTRIC REDUCER

DRAWN BY: MIR	DATE: 1/6/2012
APPROVED: JR	DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VFR

VANE FLEX GROOVED END PLATE FLANGE



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F	
TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES


QTY	MODEL #	SIZE	OAL	PRESS. @ 70°F	NOTES
	VFFG0200	2	11.75	455	
	VFFG0250	2 1/2	11.75	345	
	VFFG0300	3	11.75	289	
	VFFG0400	4	11.75	300	
	VFFG0500	5	13.50	220	
	VFFG0600	6	13.50	200	
	VFFG0800	8	15.25	190	
	VFFG1000	10	16.25	150	
	VFFG1200	12	17.25	125	
	VFFG1400	14	17.25	105	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

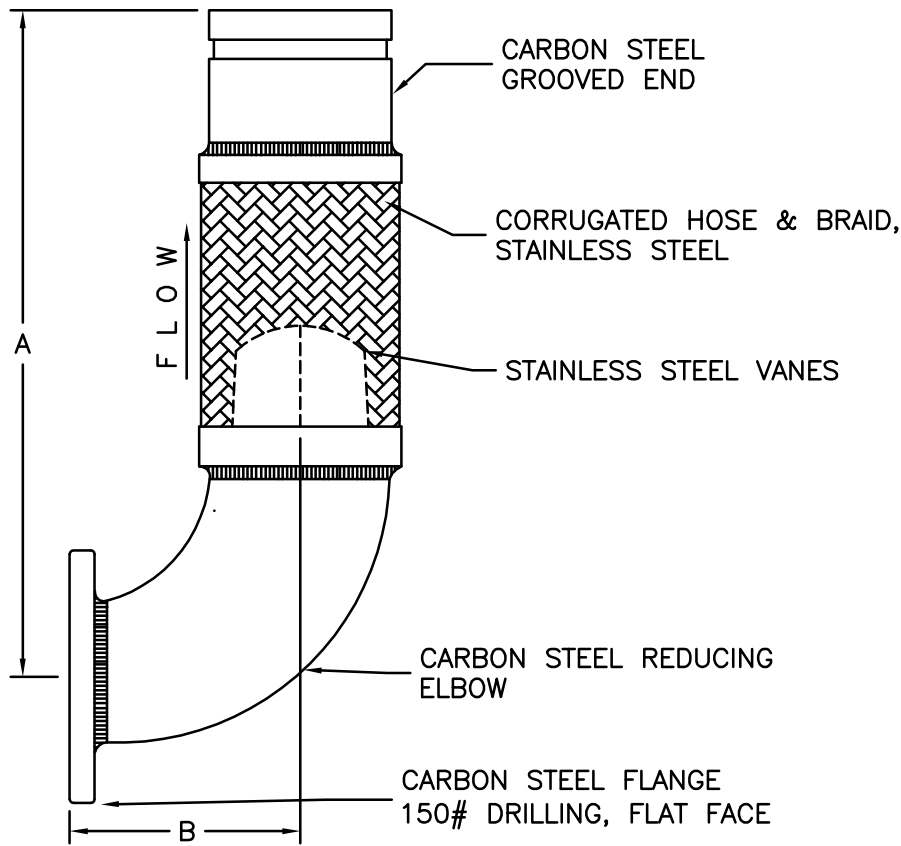
CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION
		
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGE X GROOVE END		
DRAWN BY: MIR		DATE: 1/6/2012
APPROVED: JR		DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VFFG	

VANE FLEX GROOVED END REDUCING ELBOW



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F

TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES


QTY	MODEL #	SIZE	A	B	PRESS. @ 70°F	NOTES
	VF90RFG0225	2 X 2.5	15.00	4.00	345	
	VF90RFG0203	2 X 3	15.75	4.75	289	
	VF90RFG2503	2.5 X 3	15.75	4.75	289	
	VF90RFG0204	2 X 4	17.25	6.25	300	
	VF90RFG2504	2.5 X 4	17.25	6.25	300	
	VF90RFG0304	3 X 4	17.25	6.25	300	
	VF90RFG2505	2.5 X 5	20.75	7.75	220	
	VF90RFG0305	3 X 5	20.75	7.75	220	
	VF90RFG0405	4 X 5	20.75	7.75	220	
	VF90RFG0306	3 X 6	22.25	9.25	200	
	VF90RFG0406	4 X 6	22.25	9.25	200	
	VF90RFG0506	5 X 6	22.25	9.25	200	
	VF90RFG0408	4 X 8	26.75	12.25	190	
	VF90RFG0508	5 X 8	26.75	12.25	190	
	VF90RFG0608	6 X 8	26.75	12.25	190	
	VF90RFG0610	6 X 10	30.75	15.25	150	
	VF90RFG0810	8 X 10	30.75	15.25	150	
	VF90RFG1012	10 X 12	34.75	18.25	125	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

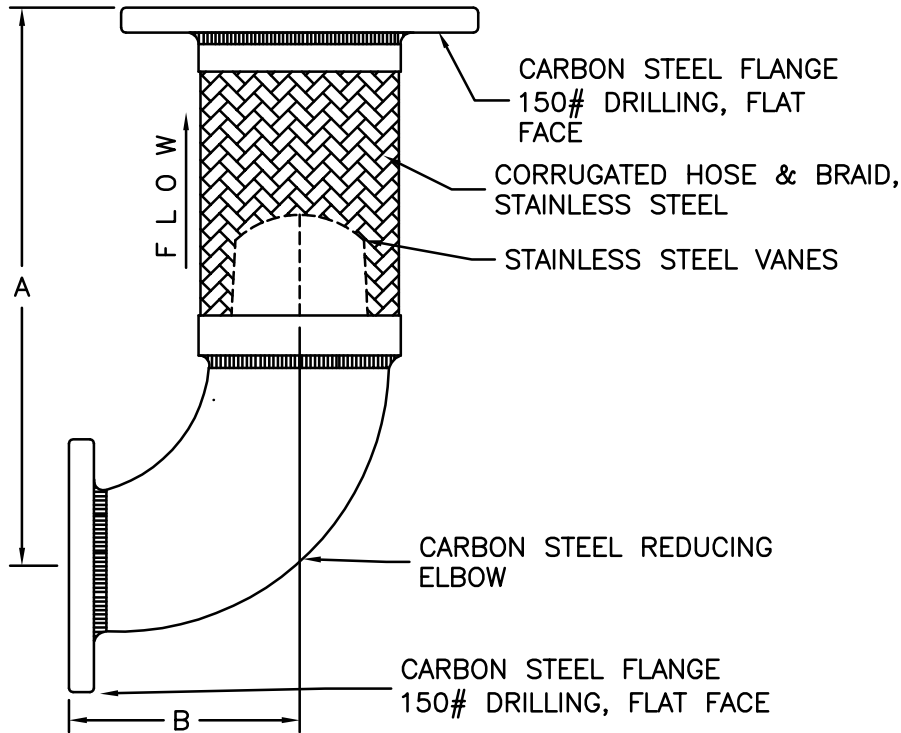
CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION
		
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGE X GROOVE END AND 90° REDUCING ELBOW		
DRAWN BY: MIR		DATE: 1/6/2012
APPROVED: JR		DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VF90RFG	

VANE FLEX PLATE FLANGE REDUCING ELBOW



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F	
TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES

QTY	MODEL #	SIZE	A	B	PRESS. @ 70°F	NOTES
	VF90R0225	2 X 2.5	12.25	4.00	345	
	VF90R0203	2 X 3	13.00	4.75	289	
	VF90R2503	2.5 X 3	13.00	4.75	289	
	VF90R0204	2 X 4	14.50	6.25	300	
	VF90R2504	2.5 X 4	14.50	6.25	300	
	VF90R0304	3 X 4	14.50	6.25	300	
	VF90R2505	2.5 X 5	18.00	7.75	220	
	VF90R0305	3 X 5	18.00	7.75	220	
	VF90R0405	4 X 5	18.00	7.75	220	
	VF90R0306	3 X 6	19.50	9.25	200	
	VF90R0406	4 X 6	19.50	9.25	200	
	VF90R0506	5 X 6	19.50	9.25	200	
	VF90R0408	4 X 8	23.25	12.25	190	
	VF90R0508	5 X 8	23.25	12.25	190	
	VF90R0608	6 X 8	23.25	12.25	190	
	VF90R0610	6 X 10	27.25	15.25	150	
	VF90R0810	8 X 10	27.25	15.25	150	
	VF90R1012	10 X 12	31.25	18.25	125	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

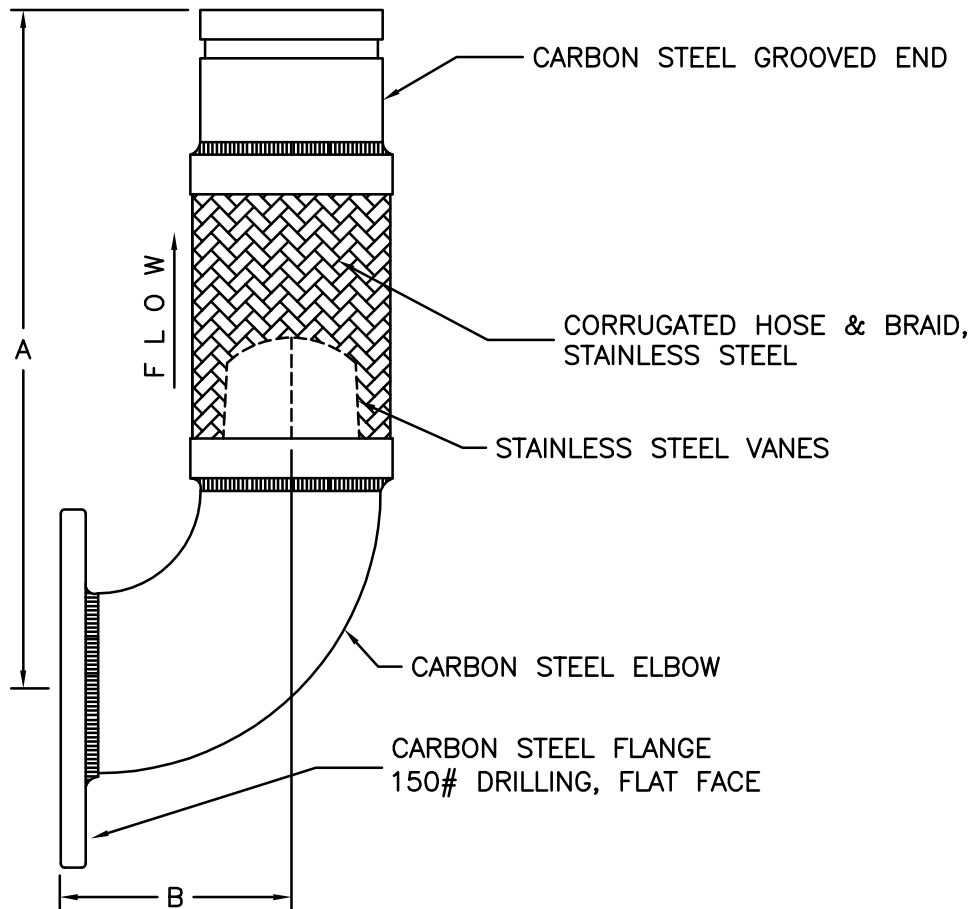
CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGES X 90° REDUCING ELBOW		
DRAWN BY: MIR		DATE: 1/6/2012
APPROVED: JR		DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VF90R	

VANE FLEX GROOVED END 90° ELBOW



TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES

QTY	MODEL #	SIZE	A	B	PRESS. @ 70°F	NOTES
	VF90FG0200	2	14.25	3.25	455	
	VF90FG0250	2 1/2	15.00	4.00	345	
	VF90FG0300	3	15.75	4.75	289	
	VF90FG0400	4	17.25	6.25	300	
	VF90FG0500	5	20.75	7.75	220	
	VF90FG0600	6	22.25	9.25	200	
	VF90FG0800	8	26.75	12.25	190	
	VF90FG1000	10	30.75	15.25	150	
	VF90FG1200	12	34.75	18.25	125	
	VF90FG1400	14	37.75	21.25	105	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

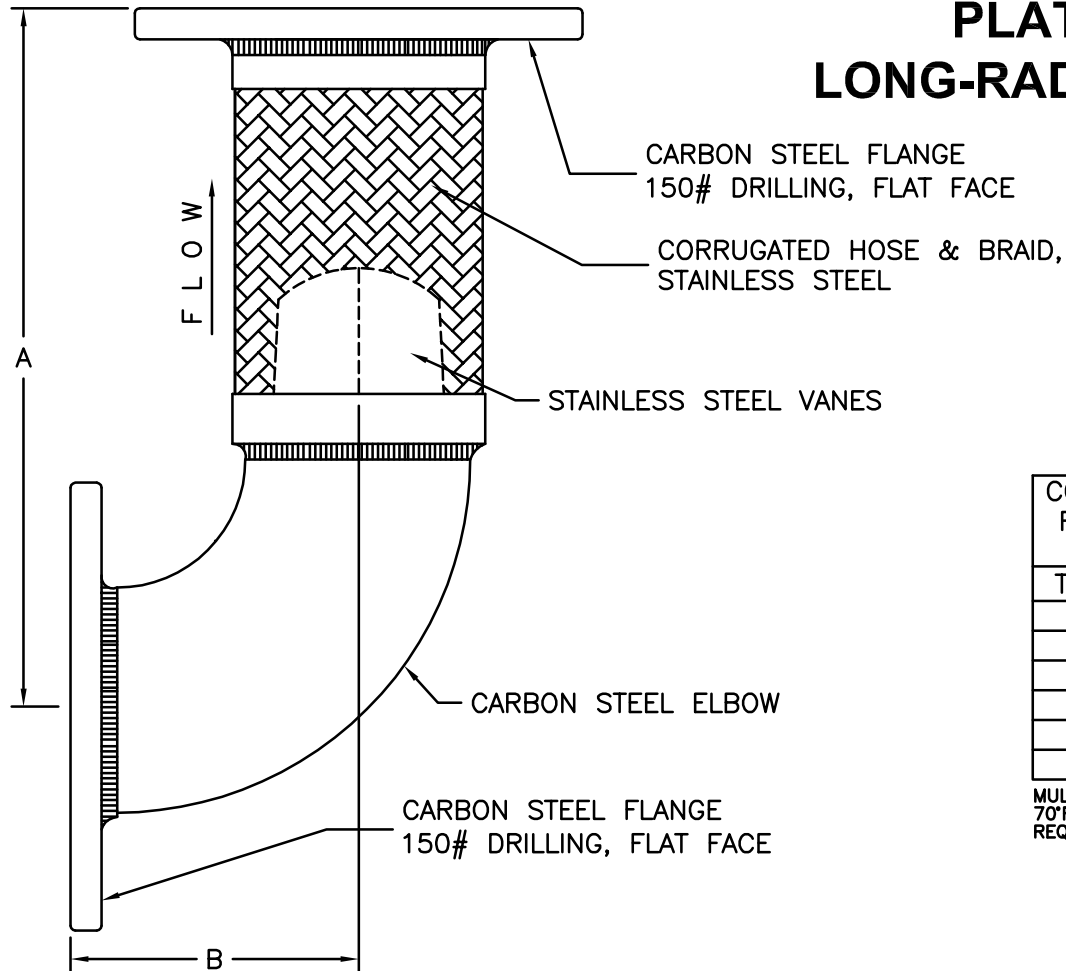
REV.	DATE	DESCRIPTION
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGE X GROOVE END AND L.R. 90° ELBOW		
DRAWN BY:	MIR	DATE: 1/6/2012
APPROVED:	JR	DATE: 1/6/2012
SCALE:	DRAWING NUMBER:	
NONE	VF90FG	

CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

VANE FLEX PLATE FLANGES LONG-RADIUS ELBOW



CORRECTION FACTORS FOR TEMPERATURES ABOVE 70° F	
TEMP. °F	FACTOR
70	1.00
200	0.92
300	0.86
400	0.82
500	0.77
600	0.73

MULTIPLY PRESSURE SHOWN AT 70°F BY CORRECTION FACTOR OF REQUIRED TEMP.

ALL DIMENSIONS ARE IN INCHES

QTY	MODEL #	SIZE	A	B	PRESS. @ 70°F	NOTES
	VF900200	2	11.50	3.25	455	
	VF9000250	2 1/2	12.25	4.00	345	
	VF900300	3	13.00	4.75	289	
	VF900400	4	14.50	6.25	300	
	VF900500	5	18.00	7.75	220	
	VF900600	6	19.50	9.25	200	
	VF900800	8	23.25	12.25	190	
	VF901000	10	27.25	15.25	150	
	VF901200	12	31.25	18.25	125	
	VF901400	14	34.25	21.25	105	

MAX. PERMANENT OFFSET FROM \varnothing 3/8"
MAX. INTERMITTENT OFFSET FROM \varnothing 1/8"

CUSTOMER: _____

PROJECT: _____

ENGINEER: _____

REV.	DATE	DESCRIPTION
		2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM
DESCRIPTION: VANE FLEX WITH 150# PLATE FLANGES AND LONG RADIUS 90° ELBOW		
DRAWN BY: MIR		DATE: 1/6/2012
APPROVED: JR		DATE: 1/6/2012
SCALE: NONE	DRAWING NUMBER: VF90	