

Marine coating: Y \(\simeg \) N \(\simeg \)

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AC Power Adapter: Y □ N □

Customer Information		
Date:		
Name:	Company:	
Street Address:		
		stal code:
Email:		
Project name:	Project c	deadline:
Please complete the following	fields to the best of your ability.	
Describe the application (e.g. B	atching, quality control, interface dete	ction, turbidity/haze detection):
	oline multiple grades	
Pipeline and installation type	(please specify units)	
Pipeline diameter:	Pipeline schedule:	ANSI rating:
Flanged Insertable Flange size: Flange type: Shaft length*: Quantity req.:	2"MNPT Insertable Shaft length*: Quantity req.:	Flange size: Flange type: Quantity req.:
	s 3-4 of this document to determine appropiate ner (Specify):	
Additions:		



KAM® OID/CHA Application Data Sheet continued

Process Conditions				11.
Process temperature Process pressure Ambient temperature	Minimum	Normal	Maximum	Units
Pipe flow:				
Installed under process about (If yes, a KAM IT Insertion -			ncluded in quote)	
Will the meter's electronics (If yes, a KAM Sunshade m			temperatures? Y 🗆 N	
Additional Details				
Do you require commission	ning & startup assista	nce? Y 🗆 N 🗈		
If yes, please specify:				
FAT test required: Y □	N 🗆			
Certifications required (if ap	plicable):			
Corrosion specifications (if	applicable):			
Comments / Additional Ir	nformation:			

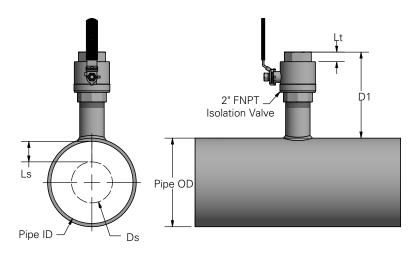


Shaft Calculator

Determine the minimum shaft length for proper insertion in the pipeline. Off-the-shelf lengths are 20", 24", 30", 36" for insertable models. Fixed insertion models are 7" and 12".

CHA 2"MNPT Insertable

- D1 (See drawing)
- + Pipe Wall Thickness
- + ____ Ls (See drawing)
- + ____ CHA Factor (2.3")
- + ____ Seal Housing Factor (7.04")
- Lt (See drawing)
- Total / min. shaft length



Leyend:

D1: Port Length + Valve Length

Lt: 2-NPT Thread Engagement (Range: 0.436 to 0.756")

Ls: Pipe ID x 0.25 (Sampling Area Length) Ds: Pipe ID x 0.5 (Sampling Diameter)

For NPT, thread engagement needs to be considered in length measurement.

CHA Flanged Insertable

- Lp (See drawing)
- + ____ Lv (See drawing)
- + ____ Lg x 2 (See drawing)

 Pipe Wall Thickness Ls (See drawing) CHA Factor (See below) Seal Housing Factor (7.54") Total / min. shaft length 	Pipe ID Ds	Lp Lg Main Pipe Pipe OD
CHA Factor	Leyend:	Typical Valve Lengths (Lv)

CHA Factor			
Class Rating	2" Size	3" Size	
150#	1.55"	1.75"	
300#	1.67"	1.92"	
600#	2.05"	2.30"	
900#	2.55"	2.55"	

20,01141
Lp: Port Length
Lv: Valve Length
Lg: Gasket Width (Typical 0.175")
Ls: Pipe ID x 0.25 (Sampling Area Length)
Ds: Pipe ID x 0.5 (Sampling Diameter)

Lv: Valve Length				1
Lg: Gasket Width (Typical 0.175")	150#	7.00"	8.00"	
Ls: Pipe ID x 0.25 (Sampling Area Length)	300#	8.50"	11.12"	
Ds: Pipe ID x 0.5 (Sampling Diameter) *For 4" Connection Contact Kam	600#	11.0"	14.00"	
Total Commodition Contact Name	900#	14.50"	15.25"	

Class Rating 2" Valve 3" Valve



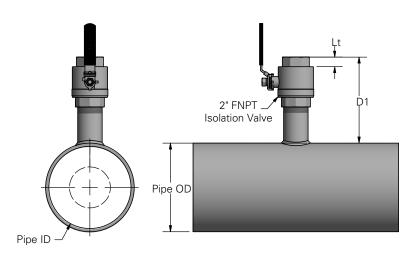
Shaft Calculator

Determine the minimum shaft length for proper insertion in the pipeline.

Off-the-shelf lengths are 20", 24", 30", 36" for insertable models. Fixed insertion models are 7" and 12".

OID 2"MNPT Insertable

- D1 (See drawing)
- + ____ Pipe Wall Thickness
- + ____ OID Factor (1.85")
- + ____ Seal Housing Length (5.95")
- Lt (See drawing)
- Total / min. shaft length



Leyend:

D1: Port Length + Valve Length

Lt: 2-NPT Thread Engagement (Range: 0.436 to 0.756")

*For NPT, thread engagement needs to be considered in length measurement.

OID Flanged Insertable

- Lp (See drawing)
- + ____ Lv (See drawing)
- + ____ Lg x 2 (See drawing)
- + ____ Pipe Wall Thickness
- + ____ OID Factor (See below)
- + Seal Housing Factor (6.45")
- Total / min. shaft length

	Ly Lg Main Pipe Pipe OD
Pipe ID	

Leyend:

Lp: Port Length Lv: Valve Length

Lg: Gasket Width (Typical 0.175")

Typical \	Typical Valve Lengths (Lv)		
Class Rating	2" Valve	3" Valve	
150#	7.00"	8.00"	
300#	8.50"	11.12"	
600#	11.0"	14.00"	
900#	14.50"	15.25"	

OID Factor			
Class Rating	2" Size	3" Size	
150#	1.10"	1.30"	
300#	1.22"	1.47"	
600#	1.60"	1.85"	
900#	2.10"	2.10"	

OID Factor Includes a 1/4" recess distance from the Pipe ID

For 4" Connection Contact Kam