

## AQUATHERM FLANGE ADAPTER TO FLANGE BOLT KIT

### Features

- For 150# ANSI Flanges
- Lengths for Joining Flange Adapter to Flange
- Material: Carbon Steel
- Finish: Zinc Plated
- \*Sizes: 1" to 24"

### Standards

- Bolts:
  - Material - ASTM A307A Grade A
  - Dimensions - ASME B18.2.1
  - Thread - Class 2A
- Nuts:
  - Material - SAE J995 Grade 2
  - Dimensions - ASME B18.2.2
  - Thread - Class 2B
- Washers:
  - ASME B18.22.1

### Bolt Properties

- Tensile: 60 KSI Minimum
- Elongation: 18% Minimum
- Hardness: 69 - 100 Rb

\* Based on 1/16" raised face and 1/8" gasket

\* Excluding 3-1/2" and 22"



### Figure Number Matrix

FNW A	BK	FA	FLG	Size	
A	BK	FA	FLG	SIZE CODE	
Aquatherm	Bolt Kit	Flange Adapter	Flange	1/2 = D	6 = U
				3/4 = F	8 = X
				1 = G	10 = 10
				1-1/4 = H	12 = 12
				1-1/2 = J	14 = 14
				2 = K	16 = 16
				2-1/2 = L	18 = 18
				3 = M	20 = 20
				4 = P	22 = 22
				5 = S	24 = 24
Note SDR: 6" & up					

### Pack Quantities & Bolt Sizes (inches)

Size	Bolt Qty	Nut Qty	Washer Qty	Diameter	Bolt Length	SDR Bolt Length	Weight
1	4	4	4	1/2	2-3/4		0.40
1-1/4	4	4	4	1/2	3-1/4		0.45
1-1/2	4	4	4	1/2	3-1/4		0.45
2	4	4	4	5/8	3-1/2		0.78
2-1/2	4	4	4	5/8	4		0.86
3	4	4	4	5/8	4		0.86
3-1/2	8	8	8	5/8	4		1.72
4	8	8	8	5/8	4		1.72
6	8	8	8	3/4	4-1/2		2.95
8	8	8	8	3/4	5-1/2		3.29
-	-	-	-	-	*	5	3.06
10	12	12	12	7/8	6-1/2		7.73
-	-	-	-	-	*	6	7.49
-	-	-	-	-	*	5-1/2	7.03
12	12	12	12	7/8	6-1/2		7.73
-	-	-	-	-	*	5-1/2	7.03
14	12	12	12	1	8		12.21
-	-	-	-	-	*	7	11.31
-	-	-	-	-	*	6-1/2	10.41
16	16	16	16	1	7		15.08
-	-	-	-	-	*	6-1/2	13.88
-	-	-	-	-	*	7	19.74
20	20	20	20	1-1/8	7-1/2		25.94
22	20	20	20	1-1/8	7-1/2		25.94
24	20	20	20	1-1/8	8		26.58

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