

Bourdon Tube Minimum Burst Pressure Ratings

WIKA Data Sheet AIN 00.20

Type 23X.XX 2½" - 316 SS Wetted Parts

(Test 00013002.D)

C-Shape Bourdon Tube Material: 316 SS		Helical Bourdon Tube Material: 316 SS	
Range (PSI)	Burst Pressure (PSI)	Range (PSI)	Burst Pressure (PSI)
15	660	1,500	8,800
30	1,100	2,000	10,300
60	1,300	4,000	11,500
100	1,400	5,000	15,000
160	1,500	10,000	17,600
200	1,700		
400	2,200		
600	2,400		
1,000	2,600		

Type 23X.XX 4" to 6" - 316 SS Wetted Parts

(Test 00013003.D)

C-Shape Bourdon Tube Material: 316 SS		Helical Bourdon Tube Material: 316 SS	
Range (PSI)	Burst Pressure (PSI)	Range (PSI)	Burst Pressure (PSI)
10	590	1,500	10,300
15	730	2,000	13,200
30	1,175	4,000	14,500
60	1,400	5,000	17,600
100	1,750	10,000	23,500
160	1,900	15,000	38,200
200	2,200		
400	2,550		
600	2,650		
1,000	2,950		

Type 21X.XX 2½" - Copper Alloy Wetted Parts

(Test 00013004.D)

C-Shape Bourdon Tube Material: Copper alloy		Helical Bourdon Tube Material: Copper alloy	
Range (PSI)	Burst Pressure (PSI)	Range (PSI)	Burst Pressure (PSI)
15	300	1,000	7,350
30	440	1,500	8,800
60	590	2,000	10,300
100	800	4,000	11,700
160	1,000	5,000	13,200
200	1,470	7,500	14,700
400	1,600	10,000	17,640
600	2,050		

Type 21X.XX 4" to 6" - Copper Alloy Wetted Parts

(Test 00013005.D)

C-Shape Bourdon Tube Material: Copper alloy		Helical Bourdon Tube Material: Copper alloy	
Range (PSI)	Burst Pressure (PSI)	Range (PSI)	Burst Pressure (PSI)
15	950	1,500	7,350
30	1,175	2,000	10,300
60	1,900	4,000	14,700
100	2,275	5,000	17,600
160	2,800	10,000	23,500
200	3,400	15,000	38,200
400	4,100		
600	4,550		
1,000	5,145		

Type 111.XX 1½" to 4" - Copper Alloy Wetted Parts

(Test 00013006.D)

C-Shape Bourdon Tube Material: Copper alloy		Helical Bourdon Tube Material: Copper alloy	
Range (PSI)	Burst Pressure (PSI)	Range (PSI)	Burst Pressure (PSI)
15	300	1,000	7,350
30	440	1,500	8,800
60	590	2,000	10,300
100	800	4,000	11,700
160	1,000	5,000	13,200
200	1,470	7,500	14,700
400	1,600		
600	2,050		

