

Gauge union

Model : A020

Spec. sheet no. AD00-02

Service intended

It is used for positive sealing while the pressure gauge may be directed into any directions.

Standard features

Max. working pressure

Stainless steel : Up to 42 MPa, at 20 °C, G $\frac{1}{2}$ "

ASME B1.1 Appendix B

Max. working temperature : -10 to 120 °C

※ This product's Max. working temperature could be varied depending on its working pressure and temperature.



Main order

1. Base model

A020 Gauge union

2. Union type

N	Pipe welding	R	S.W (F)
P	PF (M)	S	S.W (M)
Q	PT (M)	T	Flange

3. Material

C	304SS	G	Monel
D	316SS	H	Hastelloy-C
F	316L SS	Z	Other

4. Gauge connection size

0	$\frac{1}{4}$ "
1	$\frac{3}{8}$ "
2	$\frac{1}{2}$ "
3	$\frac{3}{4}$ "
Z	Other

5. Gauge connection type

A	PF (F)
B	PT (F)
C	NPT (F)
Z	Other

6. Process connection size

A	$\frac{1}{8}$ " (10.5 mm)	E	$\frac{3}{4}$ "
B	$\frac{1}{4}$ "	Q	Flange
C	$\frac{3}{8}$ "	Z	Other
D	$\frac{1}{2}$ "		

Sample ordering code

1	2	3	4	5	6	7	8	9	10
A020	N	C	0	A	A	C	A	KA	000

Ordering information

7. Process connection type

C	NPT (F)	N	S.W (M)
G	PF (M)	P	Pipe welding
H	PT (M)	Q	Flange
J	NPT (M)	Z	Other
M	S.W (F)		

8. Flange size

A	N/A	G	$\frac{1}{4}$ " (32A)
D	$\frac{1}{2}$ " (15A)	H	$\frac{1}{2}$ " (40A)
E	$\frac{3}{4}$ " (20A)	J	2" (50A)
F	1" (25A)	Z	Other

9. Flange rating

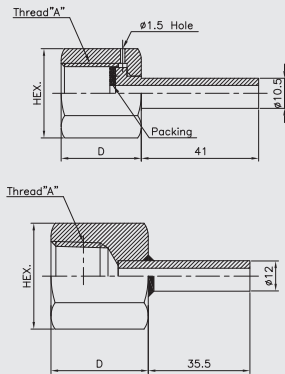
KA	N/A	KL	JIS 10K RF
AC	B16.5 Class 150 RF	KN	JIS 10K FF
AE	B16.5 Class 150 FF	KM	JIS 10K RFSF
AD	B16.5 Class 150 RFSF	KP	JIS 20K RF
AF	B16.5 Class 300 RF	KR	JIS 20K FF
AH	B16.5 Class 300 FF	KQ	JIS 20K RFSF
AG	B16.5 Class 300 RFSF	KC	JIS 30K RF
AJ	B16.5 Class 600 RF	KU	JIS 30K FF
AL	B16.5 Class 600 FF	KJ	JIS 30K RFSF
AK	B16.5 Class 600 RFSF	ZZ	Other

10. Pipe length

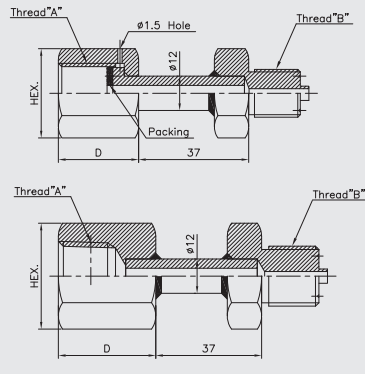
000	$\frac{3}{8}$ " SCH 40 (17.3Ø X 2.3t), 100 mm (Only available with flange type)
010	$\frac{3}{8}$ " SCH 80 (17.3Ø X 3.2t), 100 mm (Only available with flange type)
020	$\frac{1}{2}$ " SCH 40 (21.7Ø X 2.8t), 100 mm (Only available with flange type)
030	$\frac{1}{2}$ " SCH 80 (21.7Ø X 3.7t), 100 mm (Only available with flange type)
800	None

A020 : Type of mounting

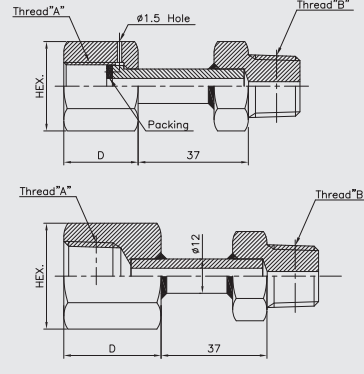
Code N



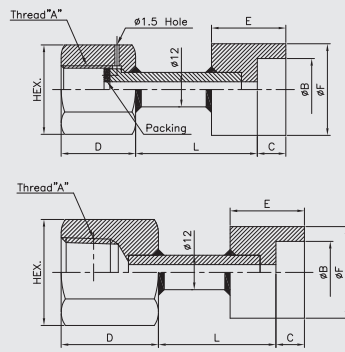
Code P



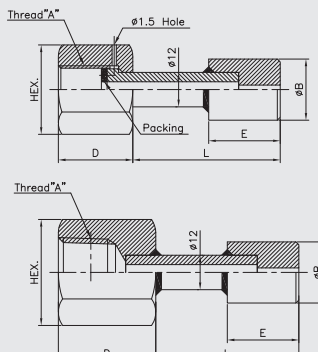
Code Q



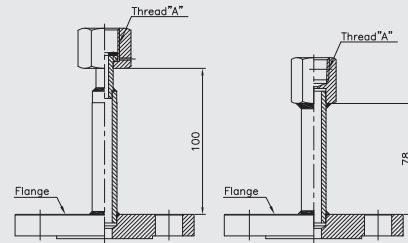
Code R



Code S



Code T



Dimensions (mm)

Code	A		B	D	Code	A		B	C	D	E	F	L		
N	PF	3/8"		26	R	PF	3/8"	3/8"	10	26	26	26	41		
		1/2"		28				32							
	(N)PT	1/2"		34				3/4"				40			
P	PF	3/8"	PF 3/8"	26			1/2"	3/8"	13	28	26	26		40	41
			PF 1/2"					26	32						
			PF 3/4"					28	40						
		1/2"	PF 3/8"	28				3/4"	13	29	40				
			PF 1/2"					3/8"	10	30(32)	26	26			
			PF 3/4"					1/2"	13	29	40				
	(N)PT	3/8"	PF 3/8"	30(32)		1/2"	3/8"	10	34	26	26	40			
			PF 1/2"				1/2"	29		32					
			PF 3/4"				13	29		40					
		1/2"	PF 3/8"	34			3/4"	13	26	26	40				
			PF 1/2"				3/8"	25	26						
			PF 3/4"				1/2"	26	26						
Q	PF	3/8"	(N)PT 3/8"	26	S	PF	1/2"	3/8"		28	25		50		
			(N)PT 1/2"					1/2"			26		51		
			(N)PT 3/4"					3/8"			34		25	50	
		1/2"	(N)PT 3/8"	28		1/2"		26		26	51				
			(N)PT 1/2"			3/4"		25		50					
			(N)PT 3/4"			3/4"		26		51					
	(N)PT	3/8"	(N)PT 3/8"	30(32)	T	PF (N)PT	3/8" 1/2"	JIS	10, 16, 20, 30, 40K	15, 20, 25, 32, 40, 50A	FF RF				
			(N)PT 1/2"												
			(N)PT 3/4"												
		1/2"	(N)PT 3/8"	34		PF (N)PT	3/8" 1/2"	ANSI	150, 300, 600lb	1/2, 3/4, 1, 1 1/4, 1 1/2, 2B	FF RF				
			(N)PT 1/2"												
			(N)PT 3/4"												