

Micro Motion® ELITE® Coriolis Flow and Density Meters



Detailed specifications

ELITE flow and density accuracy options

Model	Liquid flow accuracy		Gas flow accuracy		Density accuracy (g/cc)		
	0.10%	0.05%	0.35%	0.25%	0.002	0.0005	0.0002
CMFS007	•	•		•	•		
CMFS010	•	•		•	•	•	
CMFS015	•	•		•	•	•	
CMFS025	•	•		•		•	•
CMFS040	•	•		•		•	•
CMFS050	•	•		•		•	•
CMFS075	•	•		•		•	•
CMFS100	•	•		•		•	•
CMFS150	•	•		•		•	•
CMF010	•	•	•			•	
CMF025	•	•	•			•	•
CMF050	•	•	•			•	•
CMF100	•	•	•			•	•
CMF200	•	•	•			•	•
CMF300	•	•	•			•	•
CMF350	•	•	•			•	•
CMF400	•	•	•			•	•
CMFHC2	•		•			•	
CMFHC3	•		•			•	
CMFHC4	•		•			•	

Note

High temperature models (base model codes A and B, for example, CMF200A) are not capable of enhanced liquid flow calibration of 0.05% or enhanced density accuracy of 0.0002g/cc.

Flow tube information

Model	Number of tubes	Tube inside diameter		Tube length	
		inches	mm	inches	mm
CMF010M/H/L	1	0.114	2.90	28.0	711
CMF010P	1	0.100	2.54	28.0	711
CMF025M/H/L	2	0.206	5.23	18.0	458
CMF050M/H/L	2	0.345	8.76	25.0	636
CMF100M/H/L	2	0.647	16.4	38.0	966
CMF200M/H/L/A/B	2	1.06	26.9	50.0	1270
CMF300M/H/L/A/B	2	1.76	44.7	68.0	1730

Model	Number of tubes	Tube inside diameter		Tube length	
		inches	mm	inches	mm
CMF350M/A/P	2	2.26	57.4	55.5	1410
CMF400M/H/P/A/B	2	2.88	73.0	63.7	1620
CMFHC2M/A/G/Y	2	3.50	88.9	83.6	2120
CMFHC3M/A/G/Y	2	4.50	114	91.1	2310
CMFHC4M	2	5.63	143	115	2910
CMFS007M	1	0.0710	1.80	27.6	702
CMFS010H/P	2	0.0650	1.65	14.5	369
CMFS010M	2	0.0710	1.80	14.5	369
CMFS015H/P	2	0.100	2.54	14.5	369
CMFS015M	2	0.114	2.90	14.5	369
CMFS025H/P	2	0.190	4.83	21.7	551
CMFS025M	2	0.206	5.23	21.7	551
CMFS040M	2	0.273	6.92	21.7	551
CMFS050H/P	2	0.295	7.49	21.7	551
CMFS050M	2	0.335	8.51	21.7	551
CMFS075M	2	0.444	11.3	29.4	747
CMFS100H/P	2	0.590	15.0	29.4	747
CMFS100M	2	0.618	15.7	29.4	747
CMFS150H/P	2	0.745	18.9	29.4	747
CMFS150M	2	0.777	19.7	29.4	747

ASME B16.5 specification flange compatibility

Model	1/2"	3/4"	1"	1-1/2"	2"	3"	4"	6"	8"	10"	12"
CMFS007	•	•	•								
CMFS010	•	•	•								
CMFS015	•	•	•								
CMFS025	•	•	•								
CMFS040	•	•	•								
CMFS050	•	•	•								
CMFS075			•	•	•						
CMFS100			•	•	•						
CMFS150			•	•	•						
CMF010	•	•	•								
CMF025	•	•	•								
CMF050	•	•	•								
CMF100			•	•	•						
CMF200				•	•	•					

Model	1/2"	3/4"	1"	1-1/2"	2"	3"	4"	6"	8"	10"	12"
CMF300						•	•				
CMF350							•				
CMF400							•	•			
CMFHC2								•	•		
CMFHC3									•	•	
CMFHC4										•	•

DIN specification flange compatibility

Model	DN15	DN25	DN40	DN50	DN80	DN100	DN150
CMFS007	•						
CMFS010	•						
CMFS015	•						
CMFS025	•						
CMFS040	•						
CMFS050	•						
CMFS075		•	•	•			
CMFS100		•	•	•			
CMFS150		•	•	•			
CMF010	•						
CMF025	•						
CMF050	•						
CMF100		•					
CMF200			•	•			
CMF300					•	•	
CMF350							
CMF400						•	•
CMFHC2							
CMFHC3							
CMFHC4							

EN1092-1 specification flange compatibility

Model	DN15	DN25	DN40	DN50	DN80	DN100	DN150	DN200	DN250	DN300
CMFS007	•	•								
CMFS010	•	•								
CMFS015	•	•								
CMFS025	•	•								
CMFS040	•	•								
CMFS050	•	•								

Model	DN15	DN25	DN40	DN50	DN80	DN100	DN150	DN200	DN250	DN300
CMFS075		•	•	•						
CMFS100		•	•	•						
CMFS150		•	•	•						
CMF010	•	•								
CMF025	•	•								
CMF050	•	•								
CMF100		•								
CMF200			•	•						
CMF300					•	•				
CMF350						•				
CMF400						•	•			
CMFHC2							•	•		
CMFHC3								•	•	
CMFHC4									•	•

JIS B 2220 specification flange compatibility

Note

Sensors with JIS process connections do not meet ASME B31.1 power piping code.

Model	15mm	25mm	40mm	50mm	80mm	100mm	150mm
CMFS007	•						
CMFS010	•						
CMFS015	•						
CMFS025	•						
CMFS040	•						
CMFS050	•						
CMFS075		•	•	•			
CMFS100		•	•	•			
CMFS150		•	•	•			
CMF010	•						
CMF025	•						
CMF050	•						
CMF100		•					
CMF200			•	•			
CMF300					•	•	
CMF350						•	
CMF400						•	•
CMFHC2							
CMFHC3							

Model	15mm	25mm	40mm	50mm	80mm	100mm	150mm
CMFHC4							

VCO/VCR specification flange compatibility and Tri-clamp compatible flanges

Model	VCO specification				Tri-clamp compatible					
	#4	#8	#12	#16	1/2"	3/4"	1"	1-1/2"	2"	3"
CMFS007	•	•			•					
CMFS010	•	•			•	•				
CMFS015	•	•			•	•				
CMFS025		•			•	•	•			
CMFS040		•			•	•	•			
CMFS050		•	•		•	•	•			
CMFS075			•			•	•	•	•	
CMFS100				•		•	•	•	•	
CMFS150				•			•	•	•	
CMF010	•	•			•					
CMF025		•	•		•					
CMF050		•	•		•	•				
CMF100				•			•			
CMF200								•	•	
CMF300										•
CMF350										
CMF400										
CMFHC2										
CMFHC3										
CMFHC4										

Transmitter compatibility

Sensor model	Transmitter model or series						
	1500/2500	1700/2700	2200S	2400S	3000 series	FMT	5700
							
CMFS	•	•	•	•	•	•	•
CMF	•	•	•	•	•		•
CMFHC	•	•		•	•		•

Process pressure ratings

Sensor maximum working pressure reflects the highest possible pressure rating for a given sensor. Process connection type and environmental and process fluid temperatures may reduce the maximum rating.

All sensors comply with ASME B31.3 process piping code and Council Directive 97/23/EC of 29 May 1997 on pressure equipment.

Some sensor models also comply with the ASME B31.1 power piping design code as indicated with a pressure rating in the table. Sensors with JIS process connections do not comply with ASME B31.1 power piping code.

Sensor maximum working pressure for stainless steel models: 304L (L) and 316L (M/A)

Model	ASME B31.3 compliance		ASME B31.1 compliance	
	psig	barg	psig	barg
CMFS007M, CMFS010M, CMFS015M	1,812	125	n/a	n/a
CMFS025M, CMFS040M, CMFS050M, CMFS075M, CMFS100M, CMFS150M	1,500	103	1,500	103
CMF010M/L	1,812	125	1,812	125
CMF025M/L, CMF050M/L	1,500	103	1,500	103
CMF100M/L	1,450	100	1,450	100
CMF200M/L/A	1,580	109	1,580	109
CMF300M/L/A	1,730	119	1,730	119
CMF350M/A	1,480	102	1,480	102
CMF400M/A	1,500	103	1,500	103
CMFHC2M/A	1,480	102	1470	101
CMFHC3M/A	1,480	102	1460	101
CMFHC4M	1,480	102	n/a	n/a

Sensor maximum working pressure for nickel alloy C22 models (H/B)

Model	ASME B31.3 compliance		ASME B31.1 compliance	
	psig	barg	psig	barg
CMFS010H, CMFS015H	6,000	414	n/a	n/a
CMFS025H, CMFS050H	3,626	250	3,626	250
CMFS100H, CMFS150H	3,626	250	n/a	n/a
CMF010H	3,263	225	n/a	n/a
CMF025H	2,755	190	n/a	n/a
CMF050H	2,683	185	n/a	n/a
CMF100H	2,465	170	n/a	n/a
CMF200H/B	2,755	190	n/a	n/a

Model	ASME B31.3 compliance		ASME B31.1 compliance	
	psig	barg	psig	barg
CMF300H/B	2,683	185	n/a	n/a
CMF400H/B	2,855	197	n/a	n/a

Sensor maximum working pressure for high pressure models (P)

Model	ASME B31.3 compliance		ASME B31.1 compliance	
	psig	barg	psig	barg
CMFS010P, CMFS015P	6,000	414	n/a	n/a
CMFS025P, CMFS050P	3,626	250	3,626	250
CMFS100P, CMFS150P	3,626	250	n/a	n/a
CMF010P	6,000	414	n/a	n/a
CMF350P	2,250	155	n/a	n/a
CMF400P	2,973	205	n/a	n/a

Sensor maximum working pressure for Super Duplex models (Y)

Model	ASME B31.3 compliance		ASME B31.1 compliance	
	psig	barg	psig	barg
CMFHC2Y, CMFHC3Y	2,320	160	n/a	n/a

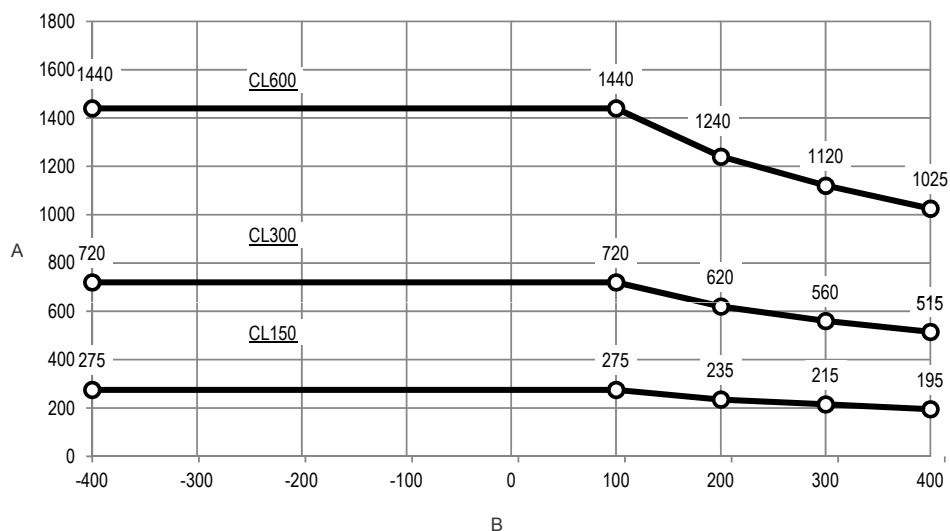
Temperature and pressure de-ratings

Note

- The ratings in this section apply to the combined sensor and process connection to ensure that the meter does not exceed the limits of either component.
- The temperature and pressure de-ratings graphs do not represent all possible model and fitting combinations. For combinations not listed here, contact a sales representative or the factory.

Models CMF010M–CMF400M

Process connection — ASME B16.5 316/316L weld neck



A. Pressure (psi)

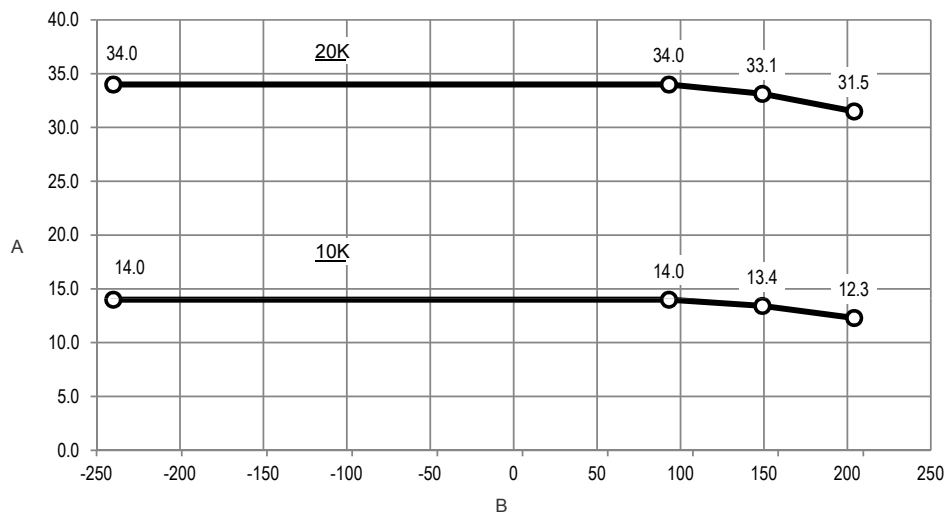
B. Temperature °F

Models CMF010M–CMF400M, CMF400P, CMF010H–CMF300H, CMFS007M–CMFS150M, CMFS010H–CMFS150H, CMFS025P–CMFS150P

Process connection — JIS B 2220

Note

- The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).
- Sensors with JIS process connections do not comply with ASME B31.1 power piping code.



A. Pressure (psi)

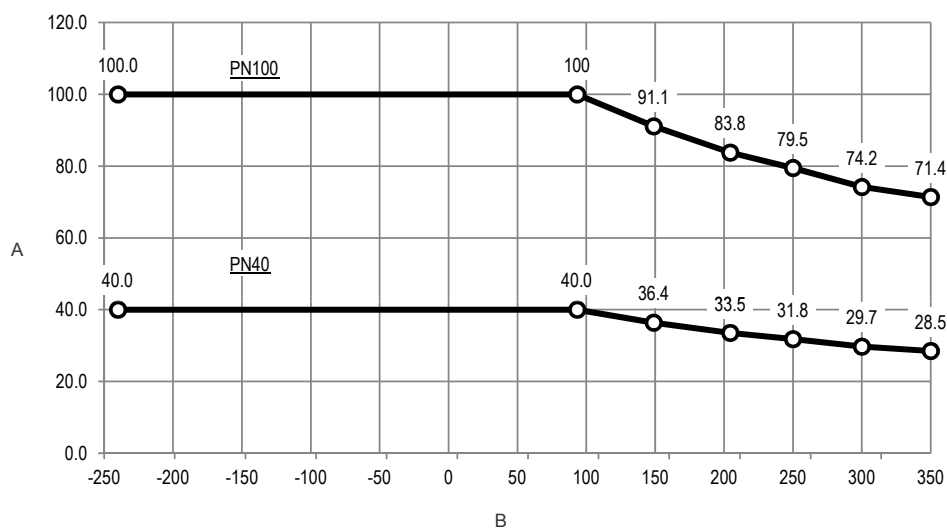
B. Temperature °F

Models CMF010M–CMF400M, CMF200A–CMF400A, CMFS007M–CMFS150M

Process connection — DIN or EN 1092-1 F316/F316L weld neck

Note

The CMF_A and CMFS_M lower operating temperature is -58 °F (-50 °C), and the CMF_M and CMFS_M upper operating temperature is +400 °F (+204 °C).

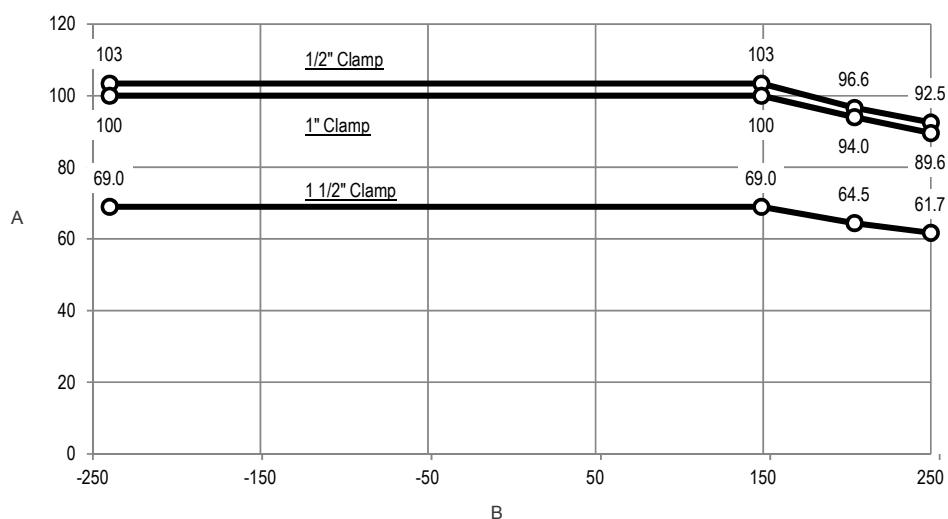


A. Pressure (psi)

B. Temperature °F

Models CMF010M–CMF300M

Process connection — Tri-Clamp compatible 316L hygienic fittings



A. Pressure (psi)

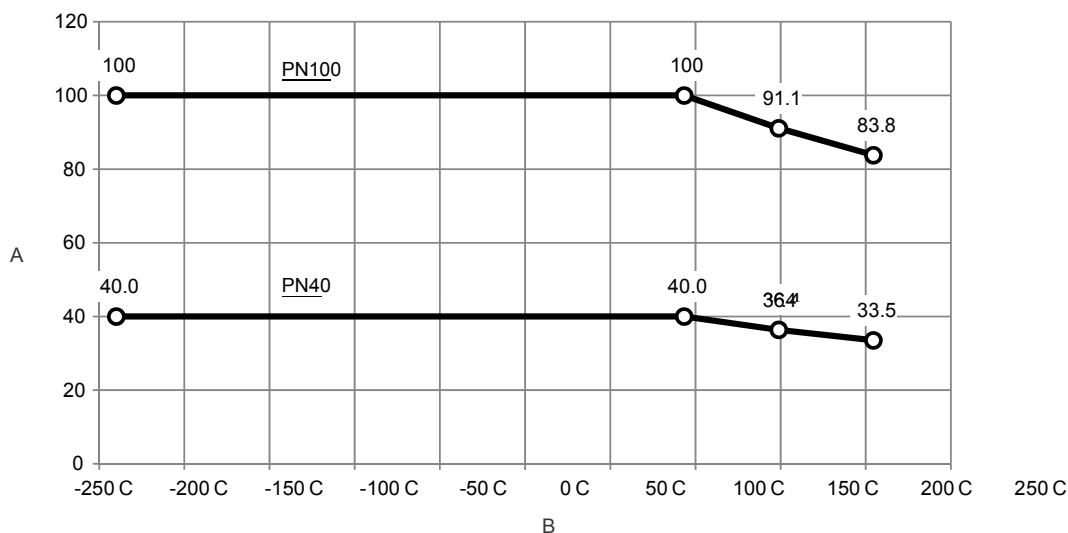
B. Temperature °F

Models CMF025M–CMF400M and CMFS007M–CMFS150M

Process connection — DIN 316/316L wafer and weld neck

Note

The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).

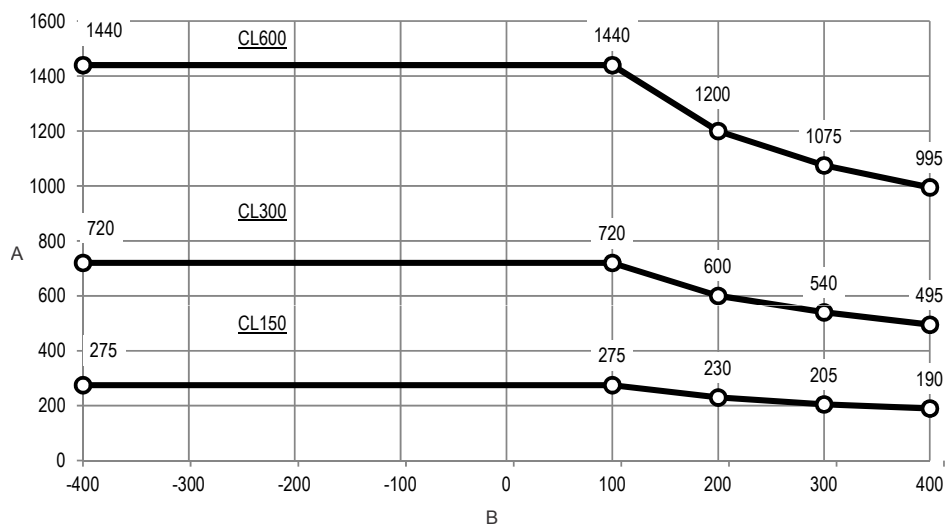


A. Pressure (psi)

B. Temperature °F

Models CMF010H–CMF400H, CMF010L–CMF300L

Process connection — ASME B16.5 F304/F304L weld neck and lap joint



A. Pressure (psi)

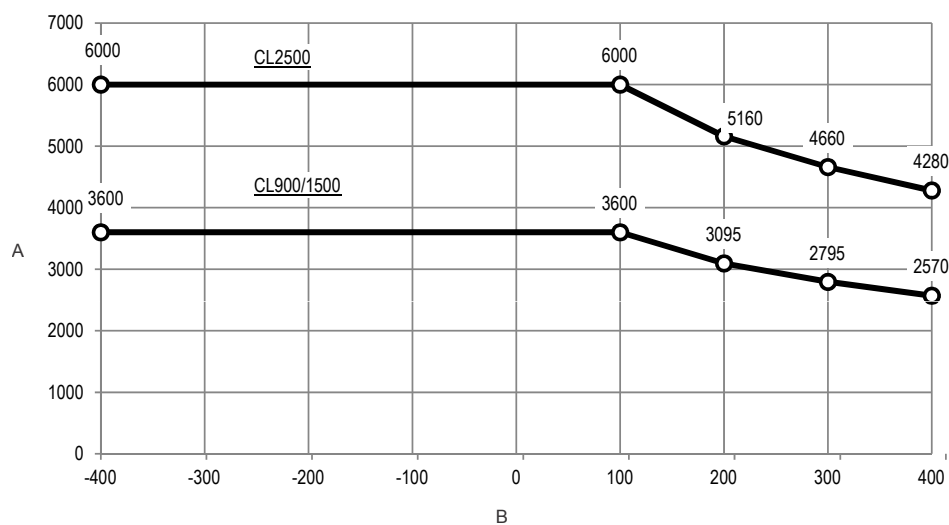
B. Temperature °F

Models CMF010P and CMFS010P–CMFS150P

Process connection — ASME B16.5 316/316L weld neck

Note

The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).



A. Pressure (psi)

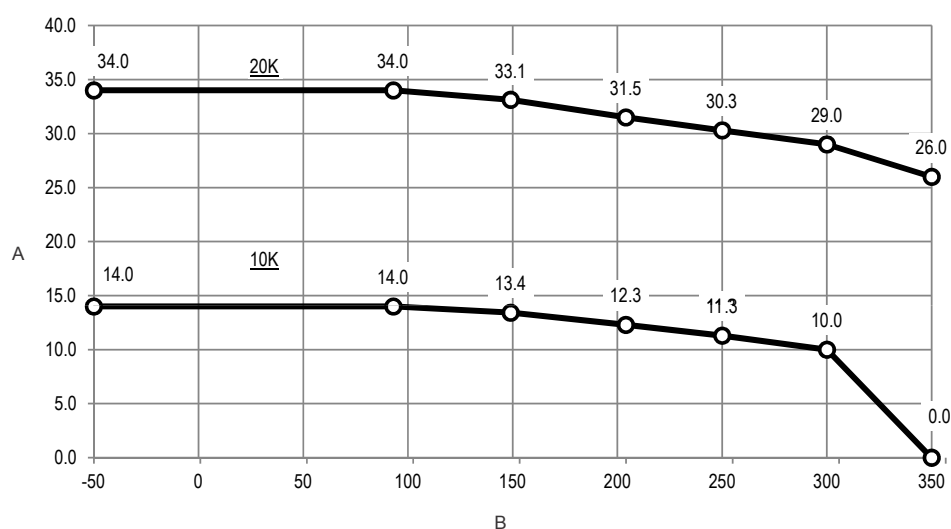
B. Temperature °F

Models CMF200A, CMF300A, CMF400A, CMF200B, CMF300B

Process connection — JIS B 2220

Note

Sensors with JIS process connections do not comply with ASME B31.1 power piping code.

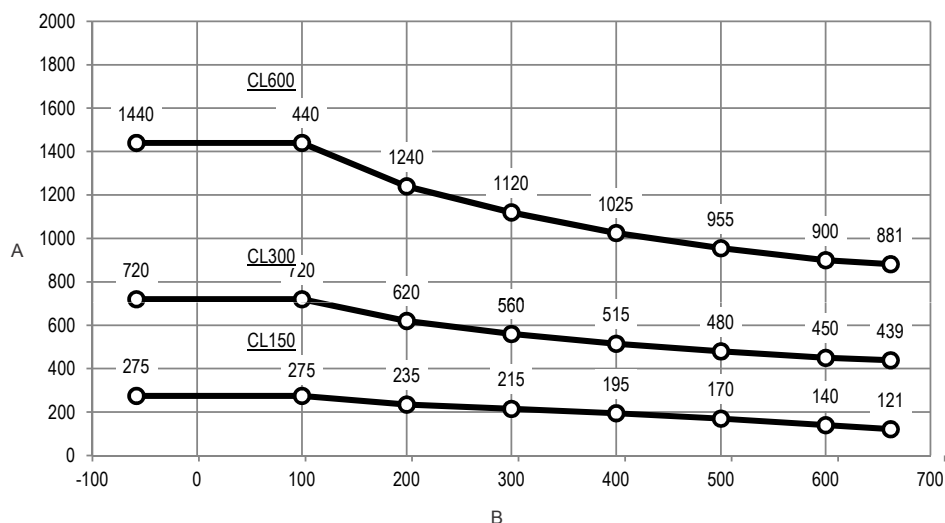


A. Pressure (psi)

B. Temperature °F

Models CMF200A, CMF300A, CMF400A, CMF200B, CMF300B, CMF400B

Process connection — ASME B16.5 F304/F304L and F316/F316L weld neck and lap joint



A. Pressure (psi)

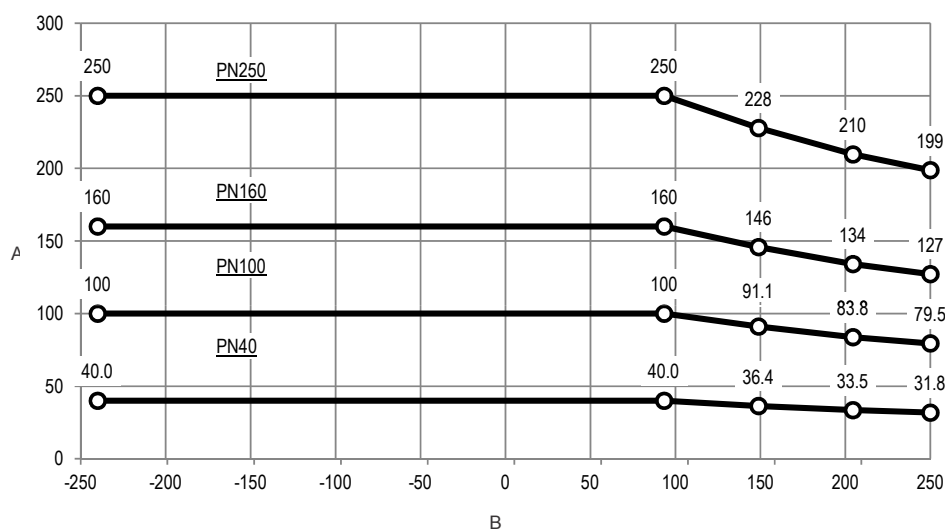
B. Temperature °F

Models CMF200A–CMF400A, CMF400P, CMFS100P, CMFS150P

Process connection — DIN or EN 1092-1 F316/F316L weld neck

Note

The CMF_A and CMFS_P lower operating temperature is -58 °F (-50 °C), and the CMF_P and CMFS_P upper operating temperature +400 °F (+204 °C).



A. Pressure (psi)

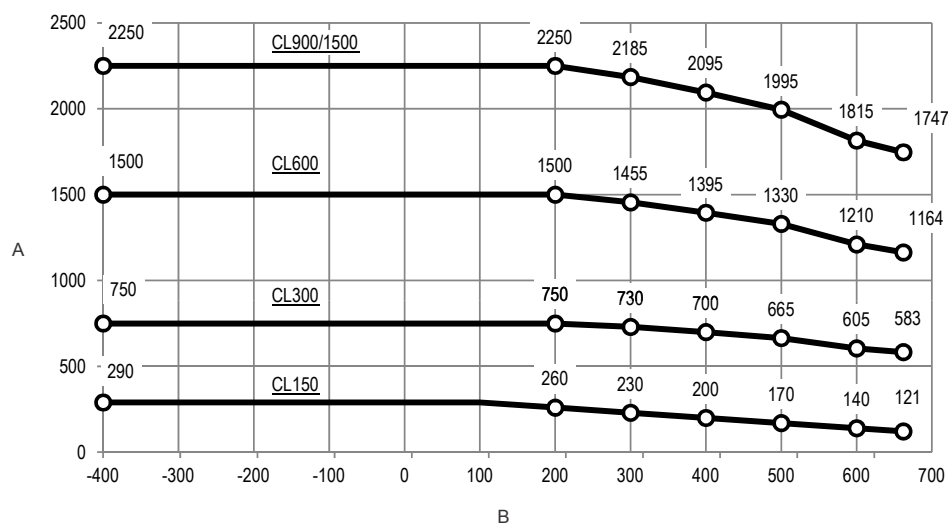
B. Temperature °F

Models CMF400B and CMF400H

Process connection — ASME B16.5 UNS N06022 weld neck

Note

The CMF400B lower operating temperature is -58 °F (-50 °C) and the CMF400H upper operating temperature is +400 °F (+204 °C).



A. Pressure (psi)

B. Temperature °F

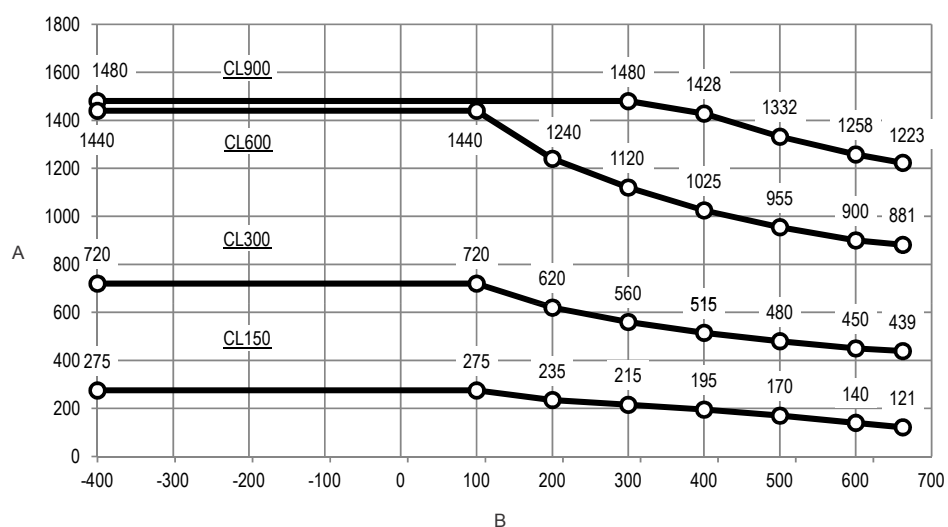
Models CMFHC2M, CMFHC3M, CMFHC4M, CMFHC2A, CMFHC3A

Process connection — ASME B16.5 F316/F316L weld neck

Note

The CMFHC_A lower operating temperature is -58 °F (-50 °C) and the CMFHC_M upper operating temperature is +400 °F (+204 °C).

Data in this chart is not valid for ASME B31.1 power piping compliance.



A. Pressure (psi)

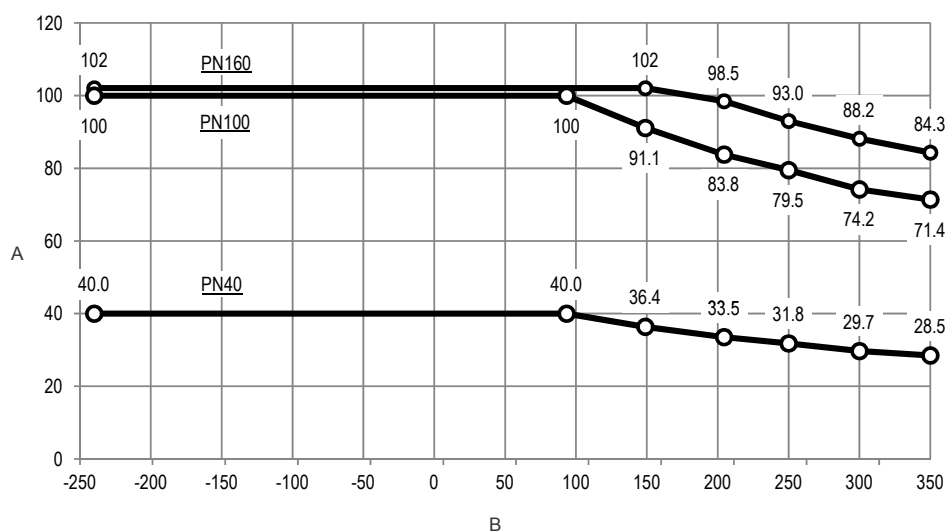
B. Temperature °F

Models CMFHC2M, CMFHC3M, CMFHC4M, CMFHC2A, CMFHC3A

Process connection — EN1092-1 F316/F316L weld neck

Note

- The CMFHC_A lower operating temperature is -58 °F (-50 °C) and the CMFHC_M upper operating temperature is +400 °F (+204 °C).
- Data in this chart is not valid for ASME B31.1 power piping compliance.



A. Pressure (psi)

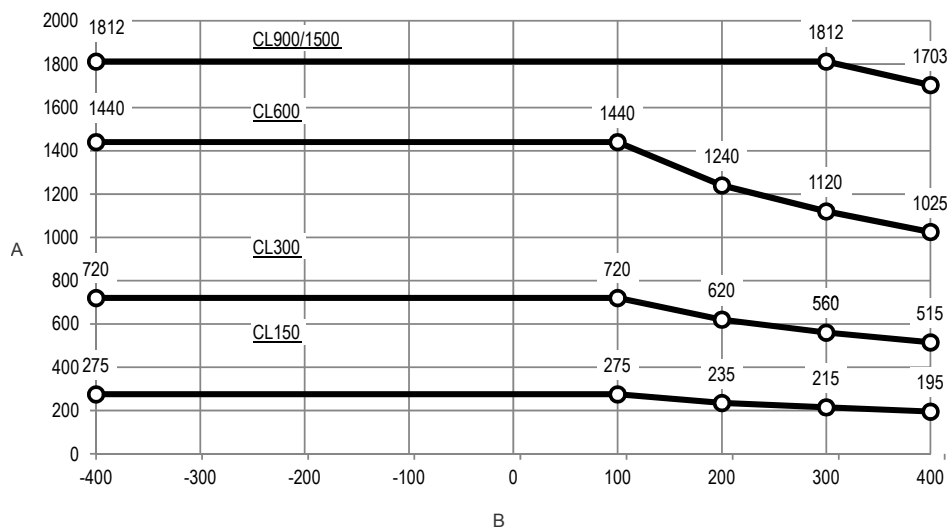
B. Temperature °F

Models CMFS007M–CMFS150M

Process connection — ASME B16.5 316/316L weld neck

Note

The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).



A. Pressure (psi)

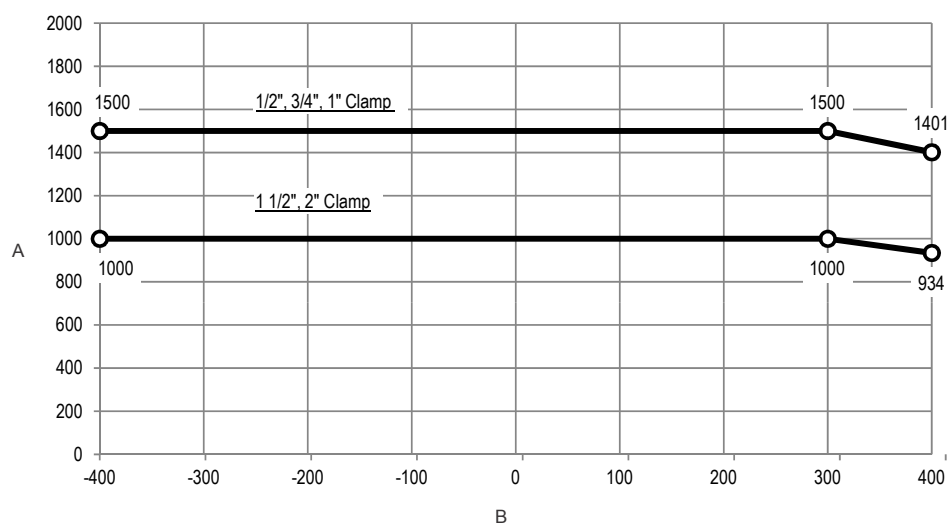
B. Temperature °F

Models CMFS007M–CMFS150M

Process connection — Tri-clamp compatible 316L hygienic fittings

Note

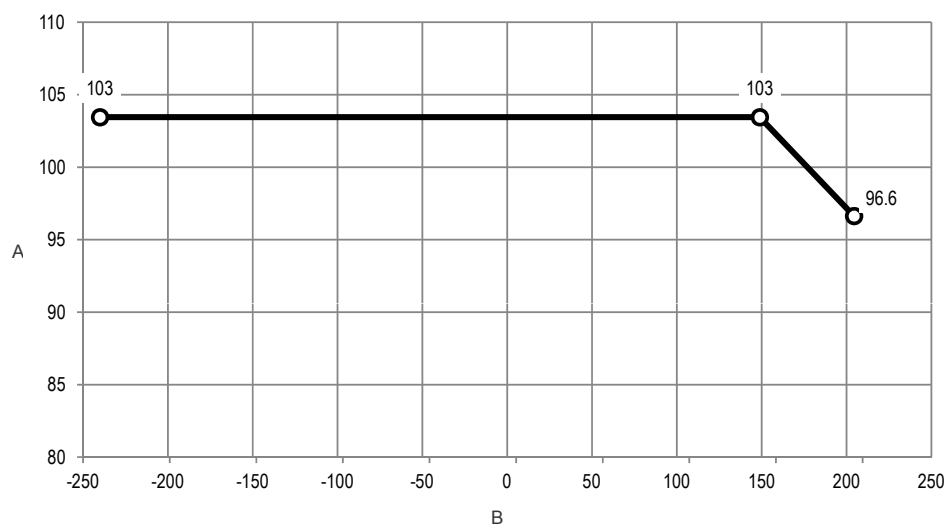
The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).



A. Pressure (psi)
B. Temperature °F

Models CMFS010M and CMFS015M

Process connection — ISO2852 hygienic



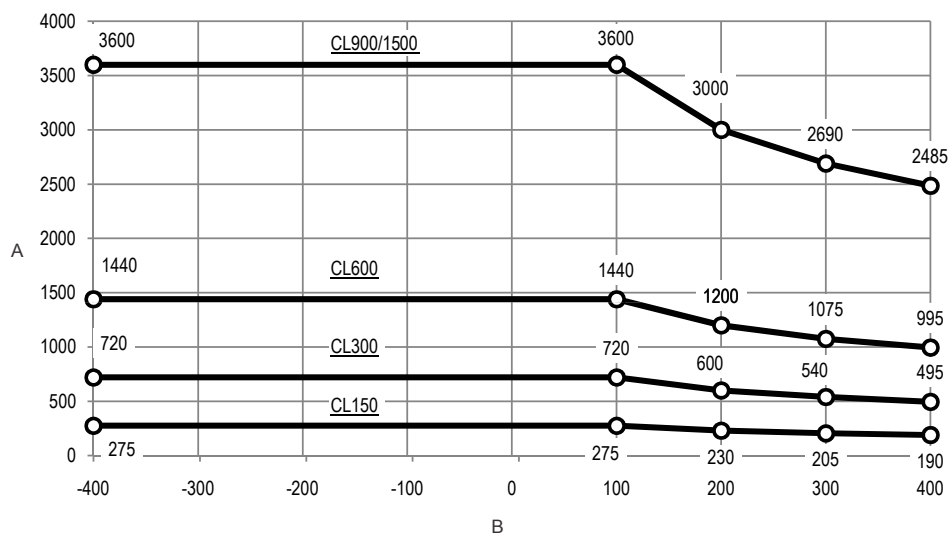
A. Pressure (psi)
B. Temperature °F

Models CMFS010H–CMFS150H

Process connection — ASME B16.5 F304/F304L lap joint

Note

The CMFS025–CMFS150 lower operating temperature is -58 °F (-50 °C).

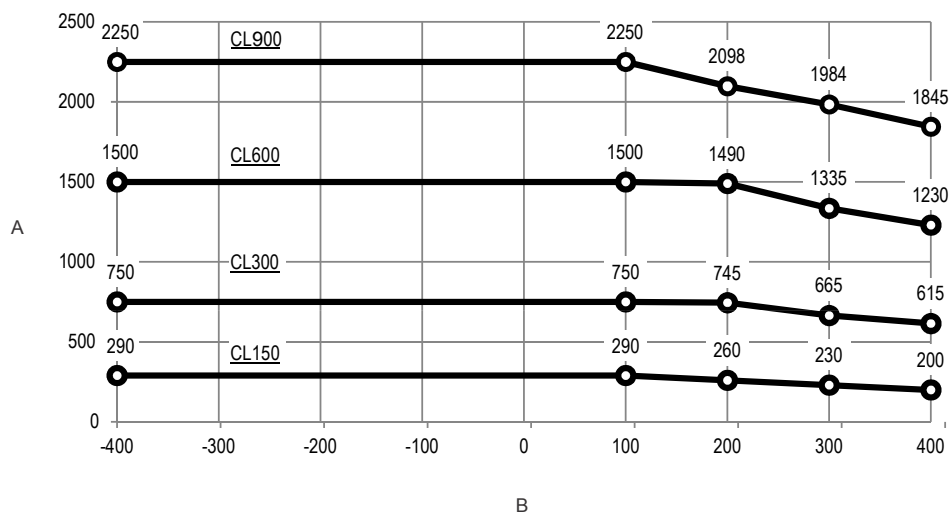


A. Pressure (psi)

B. Temperature °F

Models CMFHC2Y–CMFHC3Y

Process connection — ASME B16.5 Super Duplex weld neck



A. Pressure (psi)

B. Temperature °F

Hazardous area classifications

Detailed classifications

Note

All information and approvals may change depending on sensor/transmitter configurations and operating conditions. Please reference appropriate certificates for exact approvals.

UL ⁽¹⁾	
All models with core processor	Ambient temperature: -40 to +104 °F (-40 to +40 °C)
	Class I, Div. 1, Groups C and D
	Class I, Div. 2, Groups A, B, C, and D
	Class II, Div.1, Groups E, F, and G
All models with junction box	Ambient temperature: +104 °F (+40 °C) maximum
	Class I, Div. 1, Groups C and D
	Class I, Div. 2, Groups A, B, C, and D
	Class II, Div.1, Groups E, F, and G
CSA and CSA C-US ⁽²⁾	
All models with Model 2400S transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C)
	Class I, Div. 2, Groups A, B, C and D
	Class II, Div. 2, Groups F and G
All CMFS models with FMT transmitter	Ambient temperature: -13 to +140 °F (-25 to +60 °C)
	Class I, Div. 2, Groups A, B, C and D
	Class II, Div. 2, Groups F and G
All CMF models with core processor or Model 2200S transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C)
	Class I, Div. 1, Groups C and D
	Class I, Div. 2, Groups A, B, C, and D
	Class II, Div.1, Groups E, F, and G
	Class II, Div.2, Groups F and G
All CMF models with junction box	Ambient temperature: +140 °F (+60 °C) maximum
	Class I, Div. 1, Groups C and D
	Class I, Div. 2, Groups A, B, C, and D
	Class II, Div.1, Groups E, F, and G
All CMFS models with core processor or Model 2200S transmitter	Ambient temperature: -40 to +140 °F (-40 to +60 °C)
	Class I, Div. 1, Groups A, B, C, and D
	Class I, Div. 2, Groups A, B, C, and D
	Class II, Div.1, Groups E, F, and G
	Class II, Div.2, Groups F and G
All CMFS models with junction box	Ambient temperature: +140 °F (+60 °C) maximum
	Class I, Div. 1, Groups A, B, C, and D
	Class I, Div. 2, Groups A, B, C, and D

	Class II, Div. 1, Groups E, F, and G
NEPSI	
All models with Model 2400S transmitter	Ex nA II T1–T5, DIP A22 T ⁽³⁾ T1–T5
Models CMF010, CMF025, CMF050, CMF100, and All CMFS models with core processor or junction box	Ex ib IIC T1–T, DIP A22 T ⁽³⁾ T1–T ⁽³⁾
Models CMF200, CMF300, CMF350, and CMF400 with core processor or junction box	Ex ib IIB/IIC T1–T ⁽³⁾ , DIP A22 T ⁽³⁾ T1–T ⁽³⁾
ATEX	
All models with Model 2400S transmitter and all CMFS models with FMT transmitter	 II 3G Ex nA IIC T1–T5 Gc
	II 3D Ex tc IIIC T ⁽³⁾ °C Dc IP66
Models CMF010, CMF025, CMF050, CMF100, and all CMFS models with Model 2200S transmitter	 II 2G Ex ib IIC T1–T4 Gb
	II 2D Ex ibD 21 T ⁽³⁾ °C
	 II 3G Ex nA IIC T1–T4 Gc
	II 3D Ex tc IIIC T ⁽³⁾ °C Dc IP66
Models CMF200, CMF300, CMF350, and CMF400 with Model 2200S transmitter	 II 2G Ex ib IIB/IIC T1–T4 Gb
	II 2D Ex ibD 21 T ⁽³⁾ °C
	 > II 3G Ex nA IIC T1–T4 Gc
	II 3D Ex tc IIIC T ⁽³⁾ °C Dc IP66
All CMFS models with core processor or junction box	 II 2G Ex ib IIC T1–T ⁽³⁾
	II 2D Ex ib IIIC T ⁽³⁾ °C Db IP66
Models CMF010, CMF025, CMF050, and CMF100, with core processor or junction box	 II 2G Ex ib IIC T1–T ⁽³⁾ Gb
	II 2D Ex ib IIIC T ⁽³⁾ °C Db IP66
Models CMF200, CMF300, CMF350, CMF400, and all CMFHC models with core processor or junction box	 II 2G Ex ib IIB/IIC T1–T ⁽³⁾ Gb
	II 2D Ex ib IIIC T ⁽³⁾ °C Db IP66
IECEx	
All models with Model 2400S transmitter, and all CMFS models with FMT transmitter	Ex nA IIC T1–T5 Gc
Models CMF010, CMF025, CMF050, CMF100, all CMFS models with core processor or junction box	Ex ib IIC T1–T ⁽³⁾ Gb

Models CMF200, CMF300, CMF400, and all CMFHC models with core processor or junction box		Ex ib IIB/IIC T1–T ⁽³⁾ Gb
All CMFS models and models CMF010, CMF025, CMF050, and CMF100 with Model 2200S transmitter		Ex ib IIC T1–T4 Gb Ex nA IIC T1–T4 Gc
CMF200, CMF300, CMF350, and CMF400 with Model 2200S transmitter		Ex ib IIB/IIC T1–T4 Gb Ex nA IIC T1–T4 Gc
EAC		
All models	Zone 1	Hazardous Area Approval IIC modified - Hazardous Area Approval
	Zone 2	Hazardous Area Approval
INMETRO		
All models	Zone 1	Hazardous Area Approval IIC modified - Hazardous Area Approval
	Zone 2	Hazardous Area Approval

- (1) The following products are not available with UL approval: sensors with enhanced core processor, Model 2400S transmitter, FMT transmitter, or Model 2200S transmitter; high-temperature sensors; extreme high-temperature sensors.
- (2) The following products are available only with CSA C-US approval (i.e., not CSA): sensors with enhanced core processor or Model 2400S transmitter; high-temperature sensors; extreme high-temperature sensors.
- (3) For ambient and process temperature limits, refer to the appropriate approval certificate.

Marine approval classifications

For models CMF200M, CMF300M, CMF350M, CMF400M, CMFHC2M, CMFHC3M, CMFHC4M.

Marine approval	Country
Lloyd's Register ENV1, ENV2, ENV3, ENV5	United Kingdom
Det Norske Veritas- Germanischer Lloyd	Norway-Germany
Bureau Veritas	France
American Bureau of Shipping	USA
Nippon Kaiji Kyokai	Japan

For models CMFS010H, CMFS015H, CMFS025H, CMFS050H, CMFS100H, CMFS150H.

Marine approval	Country
Lloyd's Register ENV1, ENV2, ENV3, ENV5	United Kingdom
Det Norske Veritas- Germanischer Lloyd	Norway-Germany

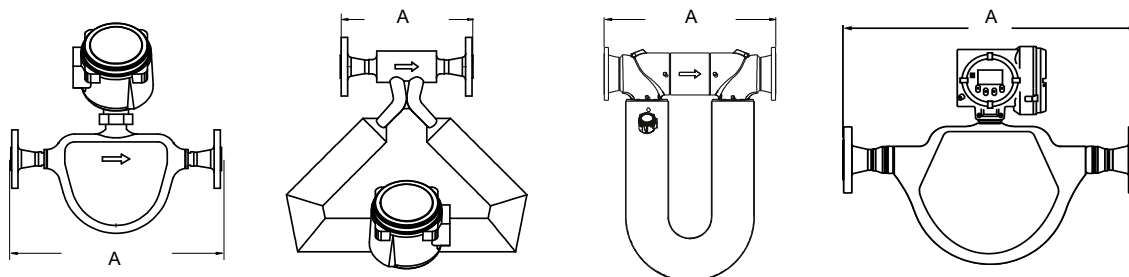
Process connections

Note

The tables in this section do not represent all possible model and flange combinations. For combinations not listed here, contact a sales representative or the factory.

Dimensions with process connections

Dimension “A” is provided for each process fitting type, when available. It is the finished face-to-face dimension of the sensor with the process connection $\pm 1/8$ inch (± 3 mm). The images below show Dimension “A” for each style and size of ELITE sensors.



Weight with process connections

Product weights in this section include the weight of the sensor with integral electronics and the process connection.

Note

Weights shown are product weight only, not shipping weight. For shipping weight, contact a sales representative or the factory.

Model CMFS010H and Model CMFS015H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
323	#4		VCO	N06022	Swagelok compatible fitting	1/4" N10276 NPT female adapter	12.2 (309)	10.1 (4.6)
334	#4		VCO	N06022	Swagelok compatible fitting		12.2 (309)	10.1 (4.6)
520	1/2-inch	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	12.6 (321)	15.7 (7.1)
521	1/2-inch	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	13.0 (330)	16.5 (7.5)
522	15mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	13.0 (330)	11.7 (5.3)
523	DN15	PD40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	13.2 (336)	12.1 (5.5)

Code	Description						Dim A inch (mm)	Weight lb (kg)
524	DN15	PD40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	13.2 (336)	11.9 (5.4)

Model CMFS007M, CMFS010M, and CMFS015M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
172	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	12.4 (314)	13.9 (6.3)
176	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	12.2 (310)	11.5 (5.2)
177	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	12.8 (324)	13.5 (6.1)
178	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	12.8 (324)	13.3 (6.0)
183	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	12.4 (314)	13.7 (6.2)
304	15mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	12.0 (304)	11.3 (5.1)
305	15mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	12.0 (304)	11.2 (5.1)
310	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	12.2 (310)	11.5 (5.2)
313	1/2"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	12.6 (321)	10.3 (4.7)
314	1/2"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	13.0 (330)	11.5 (5.2)
315	1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	13.5 (343)	11.8 (5.3)
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" 316 NPT female adapter	11.5 (293)	12.1 (5.5)
321 ⁽¹⁾	1/2"		Tri-Clamp compatible	316L	Hygienic fitting		11.5 (293)	8.2 (3.7)
323	#4		VCO	316/316L	Swagelok compatible fitting	1/4" NPT female adapter	12.2 (309)	10.1 (4.6)
324	#4		VCO	316/316L	Swagelok compatible fitting	1/4" tube compression fitting adapter	12.2 (309)	10.1 (4.6)
325	#4		VCO	316/316L	Swagelok compatible fitting	6mm tube compression fitting adapter	12.2 (309)	10.1 (4.6)
334	#4		VCO	316/316L	Swagelok compatible fitting		12.2 (309)	10.1 (4.6)
335	#8		VCO	316/316L	Swagelok compatible fitting		11.5 (293)	8.5 (3.8)

Code	Description						Dim A inch (mm)	Weight lb (kg)
344 ⁽²⁾⁽³⁾	3/4"		Tri-Clamp compatible	316L	Hygienic fitting		11.5 (293)	8.2 (3.7)
345 ⁽²⁾⁽³⁾	DN10		ISO 2852/ISO 1127 tube	316L	Hygienic fitting		11.2 (284)	8.2 (3.7)
346 ⁽²⁾⁽³⁾	DN15		ISO 2852/DIN 11850 tube	316L	Hygienic fitting		11.2 (284)	8.3 (3.8)

(1) Sensor is 3A authorized but not EHEDG certified when ordered with this fitting code.

(2) Sensor is 3A authorized and EHEDG certified when ordered with this fitting code. Only available with case and hygienic code H or T.

(3) Process connections 344, 345, 346 are not available for model CMFS007 sensors.

Model CMFS010P and Model CMFS015P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
150	1/2"	CL900/ 1500	ASME B16.5	F316/F316L	Weld neck flange	Raised face	14.5 (368)	16.4 (7.4)
191	1/2"	CL2500	ASME B16.5	F316/F316L	Weld neck flange	Raised face	15.5 (393)	13.5 (6.1)
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" 316 NPT female adapter	11.5 (293)	12.1 (5.5)
323	#4		VCO	316/316L	Swagelok compatible fitting	1/4" NPT female adapter	12.2 (309)	10.1 (4.6)
324	#4		VCO	316/316L	Swagelok compatible fitting	1/4" tube compression fitting adapter	12.2 (309)	10.1 (4.6)
325	#4		VCO	316/316L	Swagelok compatible fitting	6 mm tube compression fitting adapter	12.2 (309)	10.1 (4.6)
334	#4		VCO	316/316L	Swagelok compatible fitting		12.1 (309)	10.1 (4.6)
335	#8		VCO	316/316L	Swagelok compatible fitting		11.5 (293)	8.5 (3.8)

Model CMFS025H and CMFS050H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
520	1/2-inch	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	20.5 (520)	24.8 (11.2)
521	1/2-inch	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	20.8 (529)	25.6 (11.6)
522	15mm	10K	JIS B 2220	A105	Lap joint flange	N06022 stub	21.1 (535)	20.7 (9.4)
523	DN15	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	21.1 (535)	21.2 (9.6)

Code	Description						Dim A inch (mm)	Weight lb (kg)
524	DN15	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	21.1 (535)	21.0 (9.5)

Model CMFS025M, CMFS040M, and CMFS050M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
172	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	19.2 (487)	22.5 (10.2)
176	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	19.0 (483)	20.1 (9.1)
177	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	19.6 (497)	22.1 (10.0)
178	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	19.6 (497)	21.9 (9.9)
304	15mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	18.8 (477)	19.9 (9.0)
305	15mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	18.8 (477)	19.9 (9.0)
310	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	19.0 (483)	20.1 (9.1)
313	1/2"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	19.4 (494)	19.0 (8.6)
314	1/2"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	19.8 (503)	20.2 (9.2)
315	1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	20.3 (515)	20.4 (9.6)
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" 316 NPT female adapter	18.1 (460)	20.8 (9.4)
321	1/2"	Tri-Clamp compatible	ASME BPE	316L	Hygienic fitting		18.1 (460)	16.9 (7.7)
322	3/4"	Tri-Clamp compatible	ASME BPE	316L	Hygienic fitting		18.0 (458)	16.8 (7.6)
335	#8		VCO	316/316L	Swagelok compatible fitting		18.1 (460)	17.2 (7.8)
336 ⁽¹⁾	#12		VCO	316/316L	Swagelok compatible fitting		18.0 (458)	17.5 (7.9)

Code	Description						Dim A inch (mm)	Weight lb (kg)
339	1"	Tri-Clamp compatible	ASME BPE	316L	Hygienic fitting		21.0 (533)	17.7 (8.0)

(1) Available only on model CMFS050.

Model CMFS025P and CMFS050P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
150	1/2"	CL900/1500	ASME B16.5	F316/F316L	Weld neck flange	Raised face	22.3 (567)	25.4 (11.5)
170	DN15	PN100/160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	20.6 (523)	22.6 (10.2)
184	DN15	PN250	EN 1092-1	F316/F316L	Weld neck flange	Type B2		
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" 316 NPT female adapter	18.9 (481)	21.2 (9.6)
335	#8		VCO	316/316L	Swagelok compatible fitting		18.9 (481)	17.6 (8.0)
336 ⁽¹⁾	#12		VCO	316/316L	Swagelok compatible fitting		19.1 (484)	17.9 (8.2)

(1) Available only on model CMFS050.

Model CMFS075M, CMFS100M, and CMFS150M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
179	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	22.5 (573)	31.6 (14.3)
180	DN25	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	24.0 (608)	37.6 (17.1)
181	DN25	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	24.0 (608)	37.4 (17.0)
311	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	22.5 (573)	31.4 (14.3)
316	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	23.4 (594)	38.5 (17.5)
317	25mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	22.5 (573)	31.3 (14.2)
318	25mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	22.5 (573)	31.8 (14.4)
322 ⁽¹⁾	3/4"	Tri-Clamp compatible	ASME BPE	316L	Hygienic fitting		22.1 (561)	26.0 (11.8)
328	1"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.5 (598)	30.2 (13.7)

Code	Description						Dim A inch (mm)	Weight lb (kg)
329	1"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	24.0 (610)	33.2 (15.1)
330	1"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	24.5 (623)	33.6 (15.3)
331	1-1/2- inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	25.2 (639)	40.4 (18.3)
336 ⁽²⁾	#12		VCO	316/316L	Swagelok com- patible fitting		22.1 (561)	26.7 (12.1)
339 ⁽¹⁾	1"		Tri-Clamp com- patible	316L	Hygienic fitting		22.6 (575)	26.4 (12.0)
341	1-1/2- inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	24.6 (624)	33.9 (15.4)
342	1-1/2- inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	24.8 (629)	39.9 (18.1)
351	1-1/2- inch	Tri- Clamp com- patible	ASME BPE	316L	Hygienic fitting		22.6 (575)	26.7 (12.1)
352	2-inch	Tri- Clamp com- patible	ASME BPE	316L	Hygienic fitting		22.6 (574)	26.9 (12.2)
363	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	24.3 (616)	43.9 (19.9)
365	DN50	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	25.0 (634)	51.9 (23.5)
366	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	24.3 (617)	43.9 (19.9)
368	DN40	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	22.9 (582)	35.3 (16.0)
369	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	23.4 (594)	38.7 (17.6)
385	40mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	23.0 (585)	34.1 (15.5)
387	40mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	23.3 (591)	34.3 (15.6)
418	2-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	24.6 (625)	37.5 (17.0)
419	2-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	25.1 (638)	42.3 (19.2)
420	2-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	25.4 (645)	44.7 (20.3)

(1) Not available on model CMFS150.

(2) Only available on model CMFS075.

Model CMFS100H and CMFS150H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
530 ⁽¹⁾	1-inch	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	24.8 (629)	31.3 (14.2)
531 ⁽¹⁾	1-inch	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	25.3 (642)	34.5 (15.6)
532	25mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	24.8 (630)	35.9 (16.3)
533 ⁽¹⁾	DN25	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	25.0 (636)	34.2 (15.5)
534 ⁽¹⁾	DN25	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	25.0 (636)	33.7 (15.3)
540	1-1/2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	25.5 (647)	34.8 (15.8)
541	1-1/2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	26.0 (659)	40.5 (29.9)
542	40mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	24.1 (613)	40.5 (18.4)
544	2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	25.4 (645)	39.8 (18.0)
545	2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	25.9 (657)	44.0 (19.9)
546	50mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	24.4 (620)	43.2 (19.6)
549	DN50	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	23.4 (594)	43.9 (19.9)

(1) Only available on model CMFS100H.

Model CMFS100P and CMFS150P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
180	DN25	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	25.2 (640)	38.3 (17.4)
185	DN25	PN250	EN 1092-1	F316/F316L	Weld neck flange	Type B2	25.8 (654)	42.2 (19.2)
362	DN40	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	25.7 (652)	46.6 (21.1)
364	DN40	PN250	EN 1092-1	F316/F316L	Weld neck flange	Type B2	27.6 (702)	51.8 (23.5)
370	DN50	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	25.5 (648)	55.6 (25.2)
483	DN50	PN250	EN 1092-1	F316/F316L	Weld neck flange	Type B2	26.3 (668)	63.8 (28.9)

Model CMF010H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
323	#4		VCO	N06022	Swagelok compatible fitting	1/4" N10276 NPT female adapter	6.4 (164)	16.4 (7.4)
334	#4		VCO	N06022	Swagelok compatible fitting		6.4 (164)	16.4 (7.4)
520	1/2-inch	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	7.9 (199)	22.0 (10.0)
521	1/2-inch	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	8.2 (209)	22.8 (10.4)
522	15mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	8.2 (208)	18.0 (8.1)
523	DN15	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	9.4 (240)	18.4 (8.3)
524	DN15	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	9.4 (240)	18.2 (8.3)

Model CMF010L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
413	1/2"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	7.9 (199)	16.6 (7.6)
414	1/2"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	8.2 (209)	16.6 (7.6)
421	DN15	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	7.4 (189)	17.8 (8.1)
423	DN15	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	7.4 (189)	18.4 (8.3)

Model CMF010M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
172	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	7.6 (193)	20.2 (9.2)
176	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	7.4 (189)	17.8 (8.1)
177	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	8 (203)	19.8 (9.0)
178	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	8 (203)	19.6 (8.9)
183	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	7.6 (193)	20.0 (9.1)
300	DN15	PN40	DIN 3625	F316/F316L	Weld neck flange	Form C face	7.4 (189)	17.7 (8.0)

Code	Description						Dim A inch (mm)	Weight lb (kg)
302	DN15	PN100	DIN 3637	F316/F316L	Weld neck flange	Form E face	8.0 (203)	19.6 (8.9)
304	15mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	7.2 (183)	17.6 (8.0)
305	15mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	7.2 (183)	17.5 (7.9)
310	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	7.4 (189)	17.8 (8.1)
313	1/2"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	7.9 (199)	16.6 (7.6)
314	1/2"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	8.2 (209)	17.8 (8.1)
315	1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	8.7 (221)	18.1 (8.2)
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" 316 NPT female adapter		
321 ⁽¹⁾	1/2"		Tri-Clamp compatible	316L	Hygienic fitting		6.9 (177)	14.5 (6.6)
323	#4		VCO	316/316L	Swagelok compatible fitting	1/4" NPT female adapter	6.4 (164)	16.4 (7.4)
324	#4		VCO	316/316L	Swagelok compatible fitting	1/4" tube compression fitting adapter	6.4 (164)	16.4 (7.4)
325	#4		VCO	316/316L	Swagelok compatible fitting	6mm tube compression fitting adapter	6.4 (164)	16.4 (7.4)
334	#4		VCO	316/316L	Swagelok compatible fitting		6.4 (164)	16.4 (7.4)

(1) Sensor is 3A authorized but not EHEDG certified when ordered with this fitting code.

Model CMF010P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
323	#4		VCO	316/316L	Swagelok compatible fitting	1/4" NPT female adapter	6.4 (164)	16.4 (7.4)
324	#4		VCO	316/316L	Swagelok compatible fitting	1/4" tube compression fitting adapter	6.4 (164)	16.4 (7.4)
325	#4		VCO	316/316L	Swagelok compatible fitting	6mm tube compression fitting adapter	6.4 (164)	16.4 (7.4)
334	#4		VCO	316/316L	Swagelok compatible fitting		6.4 (164)	16.4 (7.4)

Model CMF025H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
520	1/2-inch	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	6.8 (172)	14.7 (6.7)
521	1/2-inch	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	7.1 (181)	15.5 (7.0)
522	15mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	7.1 (181)	10.6 (4.8)
523	DN15	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	7.3 (186)	11.1 (5.0)
524	DN15	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	7.3 (186)	10.9 (4.9)

Model CMF025L (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
009	1/2"	CL150/ 300 bolt kit	ASME B16.5	F316/F316L	Wafer style flange		2.4 (60)	7.1 (3.2)
016	DN15	PN40 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form C face	2.4 (60)	7.1 (3.2)
017	DN15	PN40 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	2.4 (60)	7.1 (3.2)
018	DN15	PN100 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form E face	2.4 (60)	7.1 (3.2)
019	DN15	PN100 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	2.4 (60)	7.1 (3.2)
029	15mm	10K/20 K bolt kit	JIS B 2220	F316/F316L	Wafer style flange		2.4 (60)	7.1 (3.2)
172	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	6.4 (164)	12.9 (5.8)
176	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	6.3 (160)	10.5 (4.7)
177	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	6.9 (176)	12.5 (5.7)
178	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	6.9 (176)	12.3 (5.6)
183	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	6.4 (164)	12.7 (5.7)
300	DN15	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	6.3 (160)	10.4 (4.7)
301	DN15	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	6.3 (160)	10.2 (4.6)
302	DN15	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	6.9 (176)	12.3 (5.6)

Code	Description						Dim A inch (mm)	Weight lb (kg)
303	DN15	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	6.9 (176)	12.5 (5.7)
304	15mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	6.1 (156)	10.3 (4.7)
305	15mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	6.1 (156)	10.2 (4.6)
310	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	6.3 (160)	10.5 (4.7)
313	1/2"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	6.8 (172)	9.3 (4.2)
314	1/2"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	7.1 (181)	10.5 (4.8)
315	1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	7.6 (194)	10.8 (4.9)
319	#8		VCO	316/316L	Swagelok compatible fitting	1/2" NPT female adapter	4.7 (119)	11.1 (5.0)
321	1/2"		Tri-Clamp compatible	316L	Hygienic fitting		4.7 (119)	7.2 (3.3)
335	#8		VCO	316/316L	Swagelok compatible fitting		4.7 (119)	7.5 (3.4)

Model CMF025L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
413	1/2"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	6.8 (172)	9.3 (4.2)
414	1/2"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	7.1 (181)	9.3 (4.2)
421	DN15	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	6.3 (160)	10.5 (4.7)
423	DN15	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	6.3 (160)	11.1 (5.0)

Model CMF050H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
520	1/2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	7.9 (202)	19.5 (8.9)
521	1/2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	8.3 (211)	20.3 (9.2)
522	15mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	8.3 (210)	15.5 (7.0)
523	DN15	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	8.5 (216)	15.9 (7.2)

Code	Description						Dim A inch (mm)	Weight lb (kg)
524	DN15	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	8.5 (216)	15.7 (7.1)

Model CMF050M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
009	1/2"	CL150/ 300 bolt kit	ASME B16.5	F316/F316L	Wafer style flange		3.5 (89)	11.9 (5.4)
016	DN15	PN40 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form C face	3.5 (89)	11.9 (5.4)
017	DN15	PN40 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	3.5 (89)	11.9 (5.4)
018	DN15	PN100 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form E face	3.5 (89)	11.9 (5.4)
019	DN15	PN100 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	3.5 (89)	11.9 (5.4)
029	15mm	10K/20 K bolt kit	JIS B 2220	F316/F316L	Wafer style flange		3.5 (89)	11.9 (5.4)
172	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	7.7 (195)	17.7 (8.0)
176	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	7.5 (191)	15.3 (6.9)
177	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	8.1 (205)	17.3 (7.8)
178	DN15	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	8.1 (205)	17.1 (7.7)
183	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	7.7 (195)	17.5 (7.9)
300	DN15	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	7.5 (191)	15.2 (6.9)
301	DN15	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	7.5 (205)	15.0 (6.8)
302	DN15	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	8.1 (205)	17.1 (7.1)
303	DN15	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	8.1 (205)	17.3 (7.8)
304	15mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	7.3 (184)	15.1 (6.8)
305	15mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	7.3 (184)	15.0 (6.8)
310	DN15	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	7.5 (191)	15.3 (6.9)

Code	Description						Dim A inch (mm)	Weight lb (kg)
313	1/2"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	7.9 (202)	14.1 (6.4)
314	1/2"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	8.3 (211)	15.3 (7.0)
315	1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	8.8 (224)	15.6 (7.1)
319	#8		VCO	316/316L	Swagelok com- patible fitting	1/2" NPT female adapter	6.9 (175)	15.9 (7.2)
320	#12		VCO	316/316L	Swagelok com- patible fitting	3/4" NPT female adapter	6.5 (165)	12.7 (5.7)
322	3/4"		Tri-Clamp com- patible	316L	Hygienic fitting		6.5 (165)	12.0 (5.4)
336	#12		VCO	316/316L	Swagelok com- patible fitting		6.5 (165)	12.7 (5.7)

Model CMF050L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
413	1/2"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	7.9 (202)	14.1 (6.4)
414	1/2"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	8.3 (211)	14.1 (6.4)
421	DN15	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	7.5 (191)	15.3 (6.9)
423	DN15	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	7.5 (191)	15.9 (7.2)

Model CMF100H (nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
530	1"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	9.3 (235)	31.9 (14.5)
531	1"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	9.8 (248)	35.1 (15.9)
532	25mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	9.3 (237)	36.5 (16.5)
533	DN25	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	9.6 (243)	34.8 (15.8)
534	DN25	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	9.6 (243)	34.3 (15.5)

Model CMF100L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
415	1"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	9.3 (235)	33.1 (15.0)
416	1"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	9.8 (248)	33.1 (15.0)
422	DN25	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	8.6 (217)	32.9 (14.9)
424	DN25	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	8.6 (217)	33.1 (15.0)

Model CMF100M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
010	1"	CL150 bolt kit	ASME B16.5	F316/F316L	Wafer style flange		4 (102)	27.1 (12.3)
011	1"	CL300/ 600 bolt kit	ASME B16.5	F316/F316L	Wafer style flange		4 (102)	27.1 (12.3)
020	DN25	PN40 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form C face	4 (102)	27.1 (12.3)
021	DN25	PN40 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	4 (102)	27.1 (12.3)
022	DN25	PN100 bolt kit	DIN 2526	F316/F316L	Wafer style flange	Form E face	4 (102)	27.1 (12.3)
023	DN25	PN100 bolt kit	DIN 2512	F316/F316L	Wafer style flange	Form N grooved face	4 (102)	27.1 (12.3)
030	25mm	10K/20 K bolt kit	JIS B 2220	F316/F316L	Wafer style flange		4 (102)	27.1 (12.3)
179	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	8.3 (211)	32.9 (14.9)
180	DN25	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	9.7 (246)	38.9 (17.6)
181	DN25	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	9.7 (246)	38.7 (17.5)
306	DN25	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	8.3 (211)	32.8 (14.9)
307	DN25	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	8.3 (211)	32.7 (14.9)
308	DN25	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	9.7 (246)	38.8 (17.6)
309	DN25	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	9.7 (246)	38.7 (17.6)
311	DN25	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	8.3 (211)	32.7 (14.8)

Code	Description						Dim A inch (mm)	Weight lb (kg)
317	25mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	8.3 (211)	32.6 (14.8)
318	25mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	8.3 (211)	33.1 (15.0)
328	1"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	9.3 (235)	31.5 (14.3)
329	1"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	9.8 (248)	34.5 (15.6)
330	1"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	10.3 (260)	34.9 (15.8)
331	1-1/2"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	10.9 (276)	41.6 (18.9)
339	1"		Tri-Clamp com- patible	316L	Hygienic fitting		8.4 (213)	27.7 (12.6)

Model CMF200A (high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
312	DN40	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	21.6 (547)	77.7 (35.2)
316	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	21.8 (553)	80.9 (36.7)
341	1-1/2- inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	22.9 (581)	76.3 (34.6)
342	1-1/2- inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.4 (594)	82.3 (37.3)
363	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	22.9 (580)	86.3 (39.1)
366	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	23.3 (593)	86.3 (39.1)
367	DN50	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	22.9 (59803)	84.3 (42.8)
368	DN40	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	21.6 (547)	77.7 (35.2)
369	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	21.8 (553)	81.1 (36.8)
377	DN40	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	23.1 (587)	86.4 (39.2)
378	DN50	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	23.6 (598)	94.4 (42.8)
379	DN40	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	23.1 (587)	86.2 (39.1)
380	DN50	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	23.6 (598)	94.2 (42.7)

Code	Description						Dim A inch (mm)	Weight lb (kg)
381	DN40	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	21.7 (551)	77.9 (35.3)
382	DN50	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	21.9 (557)	81.2 (36.9)
383	DN40	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	21.7 (551)	77.7 (35.2)
384	DN50	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	21.9 (557)	81.1 (36.8)
385	40mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	21.6 (548)	76.5 (34.7)
387	40mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	21.6 (548)	76.7 (34.8)
418	2-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	22.9 (581)	79.9 (36.2)
419	2-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.4 (594)	84.7 (38.4)
420	2-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.6 (600)	87.1 (39.5)

Model CMF200B (high temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
540	1-1/2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	22.9 (581)	76.5 (34.7)
541	1-1/2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	23.4 (594)	82.3 (37.3)
542	40mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	21.6 (548)	82.3 (37.3)
543	DN40 40mm	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	21.7 (551)	71.7 (32.5)
544	2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	22.9 (581)	81.5 (37.0)
545	2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	23.4 (594)	85.7 (38.9)
546	50mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	21.8 (554)	85.0 (38.5)
546	50mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	21.8 (554)	85.0 (38.5)
547	DN50	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	21.9 (557)	85.7 (38.9)
548	DN40	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	21.7 (551)	80.6 (36.6)

Code	Description						Dim A inch (mm)	Weight lb (kg)
549	DN50	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	21.9 (557)	85.7 (38.9)

Model CMF200H (standard temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
540	1-1/2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	22.9 (581)	66.5 (30.2)
541	1-1/2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	23.4 (594)	72.3 (32.8)
542	40mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	21.6 (548)	72.3 (32.8)
543	DN40	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	21.7 (551)	61.7 (28.0)
544	2"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	22.9 (581)	71.5 (32.4)
545	2"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	23.4 (594)	75.7 (34.3)
546	50mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	21.8 (554)	75.0 (34.0)
547	DN50	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	21.9 (557)	75.7 (34.3)
548	DN40	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	21.7 (551)	70.6 (32.0)
549	DN50	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	21.9 (557)	75.7 (34.3)

Model CMF200L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
441	1-1/2"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	22.9 (581)	72.1 (32.7)
442	1-1/2"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	23.4 (594)	66.3 (30.1)
457	DN40	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	21.6 (547)	67.7 (30.7)
458	DN50	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	21.8 (553)	66.3 (30.1)
481	DN40	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	21.7 (551)	67.7 (30.7)
482	DN50	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	21.9 (557)	71.1 (32.2)

Code	Description						Dim A inch (mm)	Weight lb (kg)
518	2-inch	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	22.9 (581)	69.9 (31.7)
519	2-inch	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	23.5 (597)	74.7 (33.9)

Model CMF200M (standard temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
312	DN40	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	21.6 (547)	67.7 (30.7)
316	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	21.8 (553)	70.9 (32.2)
341	1-1/2-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	22.9 (581)	66.3 (30.1)
342	1-1/2-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.4 (594)	72.3 (32.8)
343	1-1/2-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.9 (606)	74.9 (34.0)
351	1-1/2-inch		Tri-Clamp compatible	316L	Hygienic fitting		21.4 (543)	59.1 (26.8)
352	2-inch		Tri-Clamp compatible	316L	Hygienic fitting		21.4 (543)	59.3 (26.9)
363	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	22.9 (580)	76.3 (34.6)
366	DN40	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	23.3 (593)	76.3 (34.6)
367	DN50	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	22.9 (580)	84.3 (38.2)
368	DN40	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	21.6 (547)	67.7 (30.7)
369	DN50	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	21.8 (553)	71.1 (32.2)
377	DN40	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E Face	23.1 (587)	76.4 (34.7)
378	DN50	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E Face	23.6 (598)	84.4 (38.3)
379	DN40	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	23.1 (587)	76.2 (34.6)
380	DN50	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	23.6 (598)	84.2 (38.2)
381	DN40	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	21.7 (551)	67.9 (30.8)
382	DN50	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	21.9 (557)	71.2 (32.3)

Code	Description						Dim A inch (mm)	Weight lb (kg)
383	DN40	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	21.7 (551)	67.7 (30.7)
384	DN50	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	21.9 (557)	71.1 (32.2)
385	40mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	21.6 (548)	66.5 (30.2)
387	40mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	21.6 (548)	66.7 (30.3)
418	2-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	22.9 (581)	69.9 (31.7)
419	2-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.4 (594)	74.7 (33.9)
420	2-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	23.6 (600)	77.1 (35.0)

Model CMF300A (high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
326	DN80	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	32.8 (832)	159.7 (72.4)
333	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	33.3 (845)	187.7 (85.1)
355	3"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	33.7 (856)	188.9 (85.7)
356	3"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	34.4 (875)	188.7 (85.6)
357	3"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	35.2 (894)	195.5 (88.7)
358	3"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	36.8 (933)	
359	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	35.3 (896)	217.7 (98.7)
371	DN80	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	32.8 (832)	179.7 (81.5)
372	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	33.3 (845)	167.7 (76.1)
373	DN80	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	34.3 (872)	197.7 (89.7)
374	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	35.3 (896)	219.7 (99.6)
375	DN80	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	34.3 (872)	195.7 (88.8)
391	DN80	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	32.9 (835)	158.3 (71.8)

Code	Description						Dim A inch (mm)	Weight lb (kg)
392	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	33.3 (845)	168.0 (76.2)
393	DN80	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	32.9 (835)	179.1 (81.2)
394	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	33.3 (845)	187.5 (85.1)
395	DN80	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	34.6 (878)	197.2 (89.4)
396	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	35.6 (903)	217.3 (98.6)
397	DN80	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	34.6 (878)	196.9 (89.3)
398	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	35.6 (903)	216.8 (98.3)
400	80mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	33.4 (848)	175.0 (79.4)
402	80mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	33.4 (848)	179.1 (81.2)
425	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	34.1 (865)	166.2 (75.4)
426	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	35 (889)	
427	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	36.7 (932)	233.3 (105.8)
428	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	37.3 (946)	261.7 (118.7)

Model CMF300B (high temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
550	3"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	33.7 (856)	180.9 (82.0)
551	3"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	34.4 (875)	188.7 (85.6)
552	80mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	33.4 (848)	175.0 (79.4)
553	DN80	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	32.9 (835)	179.7 (81.5)
554	DN80	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	32.9 (835)	166.7 (75.6)

Model CMF300H (standard temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
550	3"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	33.7 (856)	170.9 (77.5)
551	3"	CL300	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	34.4 (875)	178.7 (81.0)
552	80mm	10K	JIS B 2220	F304/F304L	Lap joint flange	N06022 stub	33.4 (848)	165.0 (74.9)
553	DN80	PN40	DIN 2656	F304/F304L	Lap joint flange	Form C face, N06022 stub	32.9 (835)	169.7 (77.0)
554	DN80	PN40	EN 1092-1	F304/F304L	Lap joint flange	Type B1, N06022 stub	32.9 (835)	156.7 (71.1)

Model CMF300L (304L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
455	3"	CL150	ASME B16.5	F304/F304L	Weld neck flange	Raised face	33.7 (856)	170.9 (77.5)
456	3"	CL300	ASME B16.5	F304/F304L	Weld neck flange	Raised face	34.4 (875)	178.7 (81.0)
459	DN80	PN40	EN 1092-1	F304/F304L	Weld neck flange	Type B1	32.8 (832)	169.7 (77.0)
491	DN80	PN40	DIN 2526	F304/F304L	Weld neck flange	Form C face	32.9 (835)	170.3 (77.2)

Model CMF300M (standard temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
326	DN80	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	32.8 (832)	149.7 (67.9)
333	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	33.3 (845)	177.7 (80.6)
355	3"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	33.7 (856)	178.9 (81.2)
356	3"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	34.4 (875)	178.7 (81.0)
357	3"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	35.2 (894)	185.5 (84.1)
358	3"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	35.2 (894)	185.5 (84.1)
359	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	35.3 (896)	207.7 (94.2)
361	3"		Tri-Clamp compatible	316L	Hygienic fitting		32 (813)	

Code	Description						Dim A inch (mm)	Weight lb (kg)
371	DN80	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	32.8 (832)	169.7 (77.0)
372	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	33.3 (845)	157.7 (71.5)
373	DN80	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	34.3 (872)	187.7 (85.1)
374	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	35.3 (896)	209.7 (95.1)
375	DN80	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	34.3 (872)	185.7 (84.2)
391	DN80	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	32.9 (835)	148.3 (67.3)
392	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	33.3 (845)	158.0 (71.7)
393	DN80	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	32.9 (835)	169.1 (76.7)
394	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	33.3 (845)	177.5 (80.5)
395	DN80	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	34.6 (878)	187.2 (84.9)
396	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	35.6 (903)	207.3 (94.0)
397	DN80	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	34.6 (878)	186.9 (84.8)
398	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	35.6 (903)	206.8 (93.8)
400	80mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	33.4 (848)	165.0 (74.9)
402	80mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	33.4 (848)	169.1 (76.7)
425	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	34.1 (865)	156.2 (70.8)
426	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	35 (889)	
427	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	36.7 (932)	223.3 (101.3)
428	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	37.3 (946)	251.7 (114.2)

Model CMF350A (high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
435	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	37.3 (946)	251.1 (113.9)
436	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	38.0 (965)	270.8 (122.8)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	39.3 (1009)	295.7 (134.1)
443 ⁽¹⁾	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	36.4 (923)	250.3 (113.5)
445 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	38.3 (973)	278.3 (126.2)
447 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	38.3 (973)	278.3 (126.2)
470	100mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	36.4 (923)	240.1 (108.9)
472	100mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	36.8 (936)	248.1 (112.5)
480	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	36.4 (923)	248.3 (112.6)

(1) Not available with approval code T or J.

Model CMF350M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
435	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	37.3 (946)	241.1 (109.6)
436	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	38.0 (965)	260.8 (118.5)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	39.3 (1009)	285.7 (129.9)
443 ⁽¹⁾	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	36.4 (923)	240.3 (109.2)
445 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	38.3 (973)	268.3 (121.9)
447 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	38.3 (973)	268.3 (191.9)
470	100mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	36.4 (923)	230.1 (104.6)
472	100mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	36.8 (936)	238.1 (108.2)
480	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	36.4 (923)	238.3 (108.3)

(1) Not available with approval code T or J.

Model CMF350P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	39.7 (1008)	289 (131)
438	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	40.7	314 (142)
445	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	38.3	272 (123)
447	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	38.3	272 (123)
468	DN100	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	39.1	282 (128)
472	100mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	36.8	242 (110)
562	4"	CL600	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	40.7	288 (131)
563	4"	CL900	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	40.7	310 (141)

Model CMF400A (high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
435	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	40.2 (1021)	444.1 (201.5)
436	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	41 (1041)	463.8 (210.4)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	42.7 (1084)	488.7 (221.7)
438 ⁽¹⁾	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.8 (1111)	517.3 (234.6)
443 ⁽¹⁾	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	39.3 (999)	443.3 (201.1)
444 ⁽¹⁾	DN150	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	40.1 (1018)	473.3 (214.7)
445 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	41.3 (1049)	471.3 (213.8)
446 ⁽¹⁾	DN150	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	43.3 (1099)	549.3 (249.1)
447 ⁽¹⁾	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	41.3 (1049)	471.3 (213.8)
448 ⁽¹⁾	DN150	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	43.3 (1099)	543.3 (246.4)
451	6"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	40.3 (1024)	458.5 (208.0)

Code	Description						Dim A inch (mm)	Weight lb (kg)
452	6"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	41.3 (1049)	497.7 (225.7)
453	6"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.5 (1105)	562.0 (254.9)
460	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	39.3 (999)	442.7 (200.8)
461	DN150	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	39.6 (1006)	467.9 (212.2)
462	DN100	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	39.3 (999)	442.2 (200.6)
463	DN150	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	39.6 (1006)	467.2 (211.9)
464	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	41.3 (1049)	471.3 (213.8)
465	DN150	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	41.9 (1065)	533.4 (241.9)
466	DN100	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	41.3 (1049)	470.8 (213.5)
467	DN150	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	41.9 (1065)	532.7 (241.6)
470	100mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	39.3 (999)	433.1 (196.4)
471	150mm	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face		452.4 (205.2)
472	100mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	39.8 (1011)	441.1 (200.1)
478	DN150	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	40.1 (1018)	473.3 (214.7)
480	DN100	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	39.3 (999)	441.3 (200.2)

(1) Not available with approval code T or J.

Model CMF350P (high pressure)

Code	Description					
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face
438	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face
445	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2
447	DN100	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D
468	DN100	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2
472	100mm	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face
562	4"	CL600	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub

Code	Description					
563	4"	CL900	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub

Model CMF400B (high temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
906	DN100	PN40	EN 1092-1	N06022	Weld neck flange	Type B1	39.3 (997)	445.3 (202.0)
907	4"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	42.6 (1083)	453.3 (205.6)
908	DN100	PN100	EN 1092-1	F304/F304L	Lap joint flange	Type B2	41.3 (1048)	433.3 (196.5)
910	DN100	PN160	EN 1092-1	F304/F304L	Lap joint flange	Type B2	42 (1067)	436.3 (197.9)
911	4"	CL150	ASME B16.5	N06022	Weld neck flange	Raised face	40.1 (1019)	446.3 (202.4)
912	4"	CL300	ASME B16.5	N06022	Weld neck flange	Raised face	40.9 (1040)	466.3 (211.5)
913	4"	CL600	ASME B16.5	N06022	Weld neck flange	Raised face	42.6 (1083)	493.8 (224.0)
914	4"	CL900	ASME B16.5	N06022	Weld neck flange	Raised face	43.6 (1108)	525.3 (238.3)

Model CMF400H (standard temperature nickel alloy C22)

Code	Description						Dim A inch (mm)	Weight lb (kg)
906	DN100	PN40	EN 1092-1	N06022	Weld neck flange	Type B1	39.3 (997)	443.3 (201.1)
907	4"	CL150	ASME B16.5	F304/F304L	Lap joint flange	N06022 stub	42.6 (1083)	451.3 (204.7)
908	DN100	PN100	EN 1092-1	F304/F304L	Lap joint flange	Type B2	41.3 (1048)	431.3 (195.6)
910	DN100	PN160	EN 1092-1	F304/F304L	Lap joint flange	Type B2	42 (1067)	434.3 (197.0)
911	4"	CL150	ASME B16.5	N06022	Weld neck flange	Raised face	40.1 (1019)	446.3 (202.4)
912	4"	CL300	ASME B16.5	N06022	Weld neck flange	Raised face	40.9 (1040)	464.3 (210.6)
913	4"	CL600	ASME B16.5	N06022	Weld neck flange	Raised face	42.6 (1083)	491.8 (223.1)
914	4"	CL900	ASME B16.5	N06022	Weld neck flange	Raised face	43.6 (1108)	523.3 (237.4)

Model CMF400M (standard temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
435	4"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	40.2 (1021)	442.1 (200.6)
436	4"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	41 (1041)	461.8 (209.5)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	42.7 (1084)	486.7 (220.8)
438 ⁽¹⁾	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.8 (1111)	515.3 (233.7)
443 ⁽¹⁾	DN10 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	39.3 (999)	441.3 (200.2)
444 ⁽¹⁾	DN15 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	40.1 (1018)	471.3 (213.8)
445 ⁽¹⁾	DN10 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	41.3 (1049)	469.3 (212.9)
446 ⁽¹⁾	DN15 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	43.3 (1099)	547.3 (248.2)
447 ⁽¹⁾	DN10 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	41.3 (1049)	469.3 (212.9)
448 ⁽¹⁾	DN15 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	43.3 (1099)	541.3 (245.5)
451	6"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	40.3 (1024)	456.5 (207.1)
452	6"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	41.3 (1049)	495.7 (224.8)
453	6"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.5 (1105)	560.0 (254.0)
460	DN10 0	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	39.3 (999)	440.7 (199.9)
461	DN15 0	PN40	DIN 2635	F316/F316L	Weld neck flange	Form C face	39.6 (1006)	465.9 (211.3)
462	DN10 0	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	39.3 (999)	440.2 (199.7)
463	DN15 0	PN40	DIN 2635	F316/F316L	Weld neck flange	Form N grooved face	39.6 (1006)	465.2 (211.0)
464	DN10 0	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	41.3 (1049)	469.3 (212.9)
465	DN15 0	PN100	DIN 2637	F316/F316L	Weld neck flange	Form E face	41.9 (1065)	531.4 (241.0)
466	DN10 0	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	41.3 (1049)	468.8 (212.6)
467	DN15 0	PN100	DIN 2637	F316/F316L	Weld neck flange	Form N grooved face	41.9 (1065)	530.7 (240.7)
470	100m m	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	39.3 (999)	431.1 (195.5)

Code	Description						Dim A inch (mm)	Weight lb (kg)
471	150m m	10K	JIS B 2220	F316/F316L	Weld neck flange	Raised face		450.4 (204.3)
472	100m m	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	39.8 (1011)	439.1 (199.2)
478	DN15 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	40.1 (1018)	471.3 (213.8)
480	DN10 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type D	39.3 (999)	439.3 (199.3)

(1) Not available with approval code T or J.

Model CMF400P (high pressure)

Code	Description						Dim A inch (mm)	Weight lb (kg)
437	4"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	42.7 (1084)	486.7 (220.8)
438 ⁽¹⁾	4"	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.7 (1110)	515.3 (233.7)
439	4"	CL1500	ASME B16.5	F316/F316L	Weld neck flange	Raised face	44.4 (1129)	545.3 (247.3)
445 ⁽¹⁾	DN10 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	41.3 (1049)	469.3 (212.9)
446 ⁽¹⁾	DN15 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	43.3 (1099)	547.3 (248.2)
447 ⁽¹⁾	DN10 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	41.3 (1049)	469.3 (212.9)
448 ⁽¹⁾	DN15 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type D	43.3 (1099)	541.3 (245.5)
453	6"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.5 (1105)	560.0 (254.0)
468	DN10 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	42.1 (1068)	531.3 (241.0)
472	100m m	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	39.8 (1011)	439.1 (199.2)
473	150m m	20K	JIS B 2220	F316/F316L	Weld neck flange	Raised face	40.1 (1018)	469.4 (212.9)
562	4"	CL600	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	43.7 (1110)	571.3 (259.1)
563	4"	CL900	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	43.7 (1110)	591.3 (268.2)

(1) Not available with approval code T or J.

Model CMFHC2A and Model CMFHC2M (standard and high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
451	6"	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	42.8 (1087)	609.3 (276.4)
452	6"	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.6 (1107)	647.3 (293.6)
453	6"	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	45.6 (1157)	709.3 (321.7)
801	DN20 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	42.7 (1084)	667.3 (302.7)
802	DN20 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	46.0 (1168)	789.3 (358.0)
803	DN20 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	46.8 (1188)	837.3 (379.8)
810	8-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.8 (1111)	637.3 (289.1)
811	8-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	44.5 (1131)	697.3 (316.3)
818	8-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	46.8 (1187)	801.3 (363.5)
819	8-inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	49.0 (1245)	917.3 (416.1)
821	6-inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	47.3 (1201)	767.3 (348.0)
822	DN15 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	41.7 (1059)	611.3 (277.3)
823	DN15 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	44.9 (1139)	685.3 (310.8)
824	DN15 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	45.9 (1165)	709.3 (321.7)

Model CMFHC2Y (Super Duplex UNS S32750)

Code	Description						Dim A inch (mm)	Weight lb (kg)
956	DN20 0	PN40	EN 1092-1	Super duplex	Weld neck flange	Type B1	42.7 (1084)	663.3 (300.9)
957	DN20 0	PN100	EN 1092-1	Super duplex	Weld neck flange	Type B2	46.0 (1168)	789.3 (358.0)
958	DN20 0	PN160	EN 1092-1	Super duplex	Weld neck flange	Type B2	46.8 (1188)	833.3 (378.0)
959	DN15 0	PN40	EN 1092-1	Super duplex	Weld neck flange	Type B1	41.7 (1059)	613.3 (278.2)
960	DN15 0	PN100	EN 1092-1	Super duplex	Weld neck flange	Type B2	44.9 (1139)	685.3 (310.8)
961	DN15 0	PN160	EN 1092-1	Super duplex	Weld neck flange	Type B2	45.9 (1165)	709.3 (321.7)

Code	Description						Dim A inch (mm)	Weight lb (kg)
962	8-inch	CL150	ASME B16.5	Super duplex	Weld neck flange	Raised face	43.8 (1111)	635.3 (288.2)
963	8-inch	CL300	ASME B16.5	Super duplex	Weld neck flange	Raised face	44.5 (1131)	691.3 (313.6)
964	8-inch	CL600	ASME B16.5	Super duplex	Weld neck flange	Raised face	46.8 (1187)	795.3 (360.7)
965	8-inch	CL900	ASME B16.5	Super duplex	Weld neck flange	Raised face	49.0 (1245)	907.3 (411.5)
966	6-inch	CL150	ASME B16.5	Super duplex	Weld neck flange	Raised face	42.8 (1087)	607.3 (275.5)
967	6-inch	CL300	ASME B16.5	Super duplex	Weld neck flange	Raised face	43.6 (1107)	645.3 (292.7)
968	6-inch	CL600	ASME B16.5	Super duplex	Weld neck flange	Raised face	45.6 (1157)	707.3 (320.8)
969	6-inch	CL900	ASME B16.5	Super duplex	Weld neck flange	Raised face	47.3 (1201)	763.3 (346.2)

Model CMFHC3M and Model CMFHC3A (standard or high temperature 316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
801	DN20 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	42.7 (1084)	791.3 (358.9)
802	DN20 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	46.0 (1168)	913.3 (414.3)
803	DN20 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	46.8 (1188)	959.3 (435.1)
804	DN25 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	44.0 (1118)	861.3 (390.7)
805	DN25 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	48.1 (1222)	1063.3 (482.3)
806	DN25 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	48.0 (1218)	1129.3 (512.2)
810	8-inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.8 (1111)	771.3 (349.8)
811	8-inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	44.5 (1131)	825.3 (374.3)
812	8-inch	CL600	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	46.8 (1187)	915.3 (415.2)
813	10- inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	43.8 (1111)	801.3 (363.5)
814	10- inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	45.0 (1143)	847.3 (384.3)
815	10- inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	48.3 (1226)	1047.3 (475.0)

Code	Description						Dim A inch (mm)	Weight lb (kg)
816	10-inch	CL600	ASME B16.5	A105 Carbon Steel	Lap joint flange	316/316L stub	49.8 (1264)	1071.3 (485.9)
817	10-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	44.1 (1119)	1047.3 (475.0)
818	8-inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	46.8 (1187)	887.3 (402.5)
819	8-inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	49.0 (1245)	1037.3 (470.5)
820	10-inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	50.8 (1289)	1183.3 (536.7)

Model CMFHC3Y (Super Duplex UNS S32750)

Code	Description						Dim A inch (mm)	Weight lb (kg)
825	DN20 0	PN40	EN 1092-1	Super duplex	Weld neck flange	Type B1	42.7 (1084)	789.3 (358.0)
826	DN20 0	PN100	EN 1092-1	Super duplex	Weld neck flange	Type B2	46.0 (1168)	907.3 (411.5)
827	DN20 0	PN160	EN 1092-1	Super duplex	Weld neck flange	Type B2	46.8 (1188)	951.3 (431.5)
828	DN25 0	PN40	EN 1092-1	Super duplex	Weld neck flange	Type B1	44.0 (1118)	857.3 (388.9)
829	DN25 0	PN100	EN 1092-1	Super duplex	Weld neck flange	Type B2	48.1 (1222)	1055.3 (478.7)
830	DN25 0	PN160	EN 1092-1	Super duplex	Weld neck flange	Type B2	48.0 (1218)	1119.3 (507.7)
831	8-inch	CL150	ASME B16.5	Super duplex	Weld neck flange	Raised face	43.8 (1111)	769.3 (348.9)
832	8-inch	CL300	ASME B16.5	Super duplex	Weld neck flange	Raised face	44.5 (1131)	823.3 (373.4)
833	8-inch	CL600	ASME B16.5	Super duplex	Weld neck flange	Raised face	46.8 (1187)	915.3 (415.2)
834	8-inch	CL900	ASME B16.5	Super duplex	Weld neck flange	Raised face	49.0 (1245)	1035.3 (469.6)
836	10-inch	CL150	ASME B16.5	Super duplex	Weld neck flange	Raised face	43.8 (1111)	799.3 (362.5)
837	10-inch	CL300	ASME B16.5	Super duplex	Weld neck flange	Raised face	45.0 (1143)	883.3 (400.6)
838	10-inch	CL600	ASME B16.5	Super duplex	Weld neck flange	Raised face	48.3 (1226)	1063.3 (482.3)
839	10-inch	CL900	ASME B16.5	Super duplex	Weld neck flange	Raised face	50.8 (1289)	1197.3 (543.1)

Model CMFHC4M (316L stainless steel)

Code	Description						Dim A inch (mm)	Weight lb (kg)
841	10- inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	47.8 (1213)	1386.3 (628.8)
842	10- inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	49.0 (1244)	1470.3 (666.9)
843	10- inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	52.3 (1327)	1666.3 (755.8)
844	10- inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	54.8 (1391)	1812.3 (822.0)
845	12- inch	CL150	ASME B16.5	F316/F316L	Weld neck flange	Raised face	48.8 (1238)	1484.3 (673.3)
846	12- inch	CL300	ASME B16.5	F316/F316L	Weld neck flange	Raised face	50.0 (1270)	1604.3 (727.7)
847	12- inch	CL600	ASME B16.5	F316/F316L	Weld neck flange	Raised face	52.5 (1333)	1816.3 (823.9)
848	12- inch	CL900	ASME B16.5	F316/F316L	Weld neck flange	Raised face	56.0 (1423)	2050.3 (930.0)
849	DN25 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	48.0 (1220)	1430.3 (648.8)
850	DN25 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	52.1 (1324)	1628.3 (738.6)
851	DN25 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	52.0 (1320)	1710.3 (775.8)
852	DN30 0	PN40	EN 1092-1	F316/F316L	Weld neck flange	Type B1	48.8 (1240)	1528.3 (693.2)
853	DN30 0	PN100	EN 1092-1	F316/F316L	Weld neck flange	Type B2	53.1 (1350)	1844.3 (836.6)
854	DN30 0	PN160	EN 1092-1	F316/F316L	Weld neck flange	Type B2	53.5 (1360)	1948.3 (883.7)

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