



KS B 5305



품질보증



INNOBIZ
기술혁신형중소기업

압력계, 차압계, 온도계, 온도센서 제작
수도미터, 유·수량계, 오일미터, 소방유량계, 에어벤트, 감압밸브

PRESSURE & THERMOMETER



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DREAM Factory



Index

- 02 General Service Pressure Gauges DREAM 11 ~ 14 Series
- 04 General Process Liquid Filled Pressure Gauges DREAM 21 ~ 24 Series
- 06 All Stainless Pressure Gauges DREAM 31 ~ 34 Series
- 08 Electric Contact Pressure Gauges DREAM 41 ~ 44 Series
- 10 Diaphragm Sealed Pressure Gauges DREAM 51 ~ 54 Series
- 12 General Service Low Pressure Gauges DREAM 61 ~ 62 Series
- 14 General Equipment Small Size Bimetal Thermometers DREAM 110 Series
- 16 Industrial Service Bimetal Thermometer DREAM 120 Series
- 18 Adjustable Type Thermometers DREAM 130 Series
- 20 Liquid Filled Thermometers DREAM 140 Series
- 22 Certificate

General Service Pressure Gauges(DREAM 11~14 Series)

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Model No. Dream11
(A-Type)



Model No. Dream12
(B-Type)



Model No. Dream13
(D-Type)



Model No. Dream14
(BD-Type)

Applications

- Non-corrosive gas, air, oil and water
- Pneumatics
- Vacuum equipment
- Visual Monitoring of air and gas pressure for compressors
- Heating, ventilation, Climate
- Pumps and regulators
- Medical gas cylinders
- Media not attack to brass

Working Pressure

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : full scale value

Operating Temperature

- Ambient : -20 ~ 65°C
- Media(Fluid) : -5 ~ 40°C

Standard Specification Overview

- ▶ Dial Size
 - 50mm(2"), 60mm(2.5"), 75(3"), 100mm(4"), 150(6")&200mm(8")
- ▶ Reference Accuracy
 - 50mm, 60mm & 75mm : $\pm 1.5\%$ of Full Scale
 - 100mm, 150mm & 200mm : $\pm 1.5\%$ of Full Scale
- ▶ Scale Ranges*
 - 50mm : ~35MPa
 - 60mm & 75mm : Vacuum, Compound & 0~0.1 to 0 ~5MPa
 - 100mm Compound & 0~5MPa 200mm : 0~1 to 0~3.5MPa
- * For more information see the ordering information table.
- ▶ Standard Pressure Connection
 - 50mm : PT1/4" 60mm : PT,PF1/4"
 - 75 & 100mm : PT,PF3/8" 150mm&150mm : PT3/8"
- * No throttling screw inserted in the pressure port
- ▶ Material
 - Case : Black Finished Steel • Ring(Cover) : Black Finished Steel
 - Window : Glass • Pointer : Aluminum Alloy, Black Finished
 - Connection : Brass • Element : Brass
 - Movement : Brass • Dial plate : White Aluminum with Black Graduations

Dehree of Protection IP44

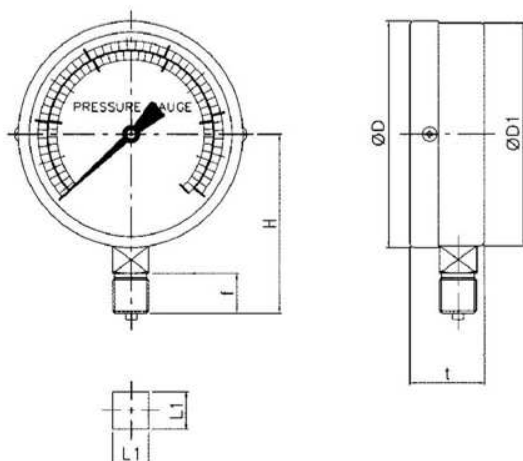
Standard Specifications

Model No	Dial size	Type	Operating Pressure			Screw	Accuracy	
			Pressure	Vacuum	Compound			
Dream-11	40Ø	A, D	0.1 ~ 3.5 MPa (1~35bar)	-0.1 MPa (-1bar)	-1.0 ~ 0.1 MPa (-1~1bar)	PT 1/8	± 1.5%	
	50Ø					PT 1/4		
Dream-12	60Ø	A, B, D, BD	0.1 ~ 5 MPa (1~50bar)			PT 1/4, PF 1/4		
Dream-13	75Ø				PF 3/8			
	100Ø				PT 3/8			
Dream-14	150Ø	A, B	1.0 ~ 3.5 MPa (10~35bar)		-0.1 ~ 2 MPa (-1~20bar)	PT 3/8		
	200Ø							

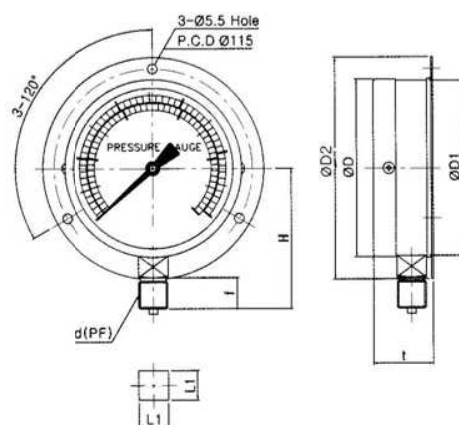
General Service Pressure Gauges(DREAM 11~14 Series)

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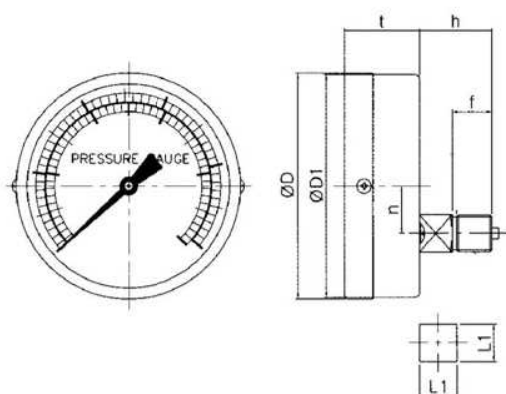
Model No. Dream11 / A-Type



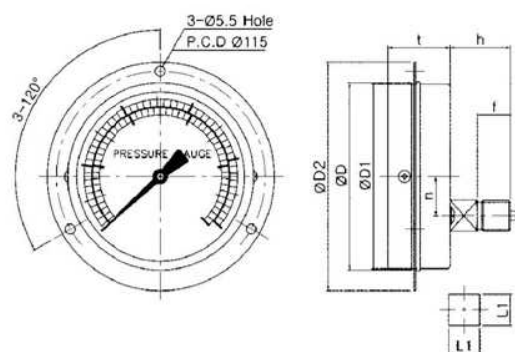
Model No. Dream12 / B-Type



Model No. Dream13 / D-Type



Model No. Dream14 / BD-Type



Standard Specifications

Nominal size (mm)	Dimensions(mm)									
	Connection	D	D ₁	D ₂	n	H	h	f	L ₁	t
Ø50	PT 1/4	52.5	50.5			49.5		14	14	28
Ø60	PF/PT 1/4	64	62	84.5		56	26	16	14	30
Ø75	PF/PT 3/8	78.5	76	100	21.5	70	32	18	17	35
Ø100	PF/PT 3/8	102.5	100	131	21.5	82	32	18	22	35
Ø150	PT 3/8	152	148			108		18	22	46
Ø200	PT 3/8	203	200			135		18	22	50

General Process Liquid Filled Pressure Gauges(DREAM 21 ~ 24 Series)

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Model No. Dream21
(A-Type)



Model No. Dream22
(B-Type)



Model No. Dream23
(D-Type)



Model No. Dream24
(BD-Type)

Applications

- shock & vibration application
- Non-corrosive gas, air, oil and water
- Hydraulic systems & machine tools
- Petrochemical processing equipment
- Pumps, compressors and regulators
- Media not attack to brass

Working Pressure

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : full scale value

Operating Temperature

- Ambient : -40 ~ 60°C
- Media(Fluid) : -5 ~ 60°C

Standard Specification Overview

- ▶ Dial Size
 - 60mm(2.5")
 - 75mm(3") & 100mm(4")
- ▶ Reference Accuracy
 - 60mm, 75mm & 100mm : $\pm 1.5\%$ of Full Scale
- ▶ Scale Ranges*
 - 60mm & 75mm & 100mm : Vacuum, Compound & 0 ~ 0.1 to 0 ~ 50MPa
- * For more information, see the ordering information table.
- ▶ Standard Pressure Connection
 - 60mm : PT, PF1/4"
 - 75 & 100mm : PT, PF3/8"
- * Throttling hole designed in the pressure port. (60mm, 75mm & 100mm)
- ▶ Material
 - Case : 304SS
 - Ring(Cover) : 304SS
 - Window : Glass Pointer: Aluminum Alloy, Black Painted
 - Connection : Chrome Plated Brass
 - Element : Brass Movement : Brass
 - Dial plate : White Aluminum with Black Graduations
 - Liquid Filled : Glycerin(Silicone-Option)
- ▶ Ring Type
 - Crimped
- ▶ Degree of Protection
 - IP65

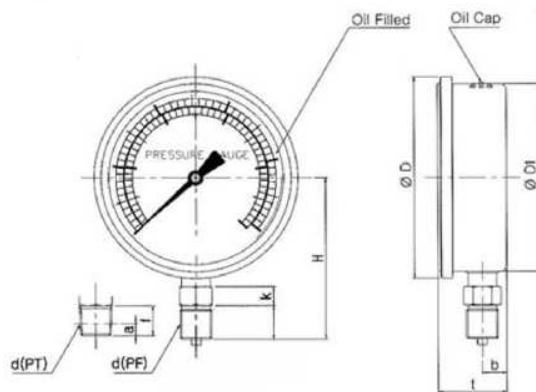
Standard Specifications

Model No	Dial size	Type	Commercial pressure range			Screw	Accuracy			
			Pressure	Vacuum	Compound					
Dream - 21	60Ø	A.B D.BD	0,1 ~ 50MPa (1 ~ 500bar)	-0,1MPa (-1bar)	-0,1MPa ~ 0,1MPa (-1 ~ 1bar)	PT PF) 1/4, 3/8, 1/2	± 1,5%			
Dream - 22	75Ø				≥					
Dream - 23	100Ø				-0,1MPa ~ 2MPa					
Dream - 24					(-1 ~ 20bar)					

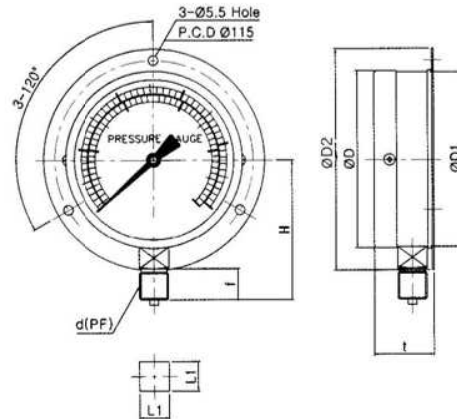
General Process Liquid Filled Pressure Gauges(DREAM 21 ~ 24 Series)

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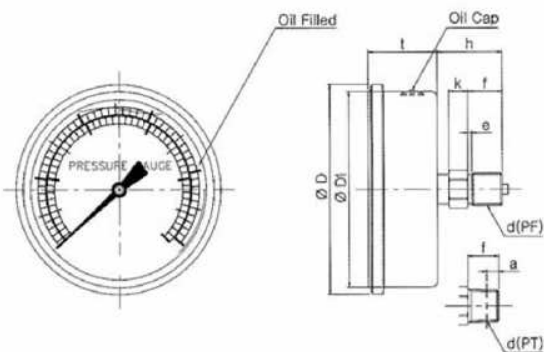
Model No. Dream21 / A-Type



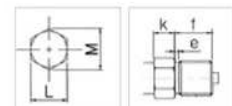
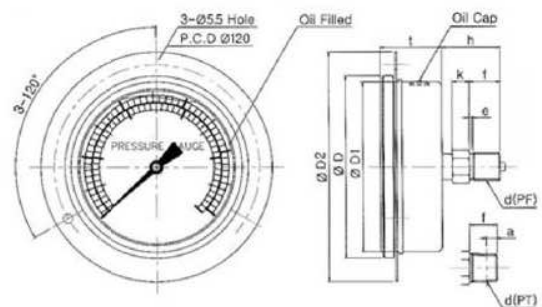
Model No. Dream22 / B-Type



Model No. Dream23 / D-Type



Model No. Dream24 / BD-Type



Standard Specifications

Nominal Size (mm)	Connection	Dimensions(mm)						
		D	D ₁	D ₂	h	H	b	t
Ø60	PT/PF 1/4	72	63	90	27	60	10	35
Ø75	PF/PT 3/8	86	77	107	32	73	14	36
Ø100	PF/PT 1/2	110	101	135	32	84	14	38

Connection Specifications

Connection	Dimensions(mm)				
	L	M	K	f	e
1/4	14	16	10	14	4
3/8	17	19.6	13	18	5
1/2	22	25.4	11	20	5

All Stainless Pressure Gauges(DREAM 31~34 Series)

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Model No. Dream31
(A-Type)



Model No. Dream32
(B-Type)



Model No. Dream33
(D-Type)



Model No. Dream34
(BD-Type)

Applications

- Corrosion resistance
- Chemical & petrochemical
- Power generation
- Pumps, compressors and regulators
- Refining & marine industry
- Sea water application(Only monel)

Working Pressure

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : 130% of full scale value
(over range protection)

Operating Temperature

- Ambient : -20 ~ 65°C
- Media(Fluid) : -200°C Maximum

Standard Specification Overview

- ▶ Dial Size
 - 60mm(2.5"), 75mm(3"), 100mm(4"), & 150mm(6")
- ▶ Reference Accuracy
 - 60mm & 75mm : $\pm 1.5\%$ of Full Scale
 - 100mm & 150mm : $\pm 1.0\%$ of Full Scale(ASEM B40.1 Grade 1A)
- ▶ Scale Ranges*
 - 60mm & 75mm : Vacuum, Compound & 0 ~ 0.1 to 0 ~ 50MPa
 - 100mm & 150mm : Vacuum, Compound & 0 ~ 50MPa
- * For more information, see the ordering information table.
- ▶ Standard Pressure Connection
 - 60mm : PT, PF 1/4"
 - 75mm : PT("R" in ISO)PT, PF 3/8"
 - 100mm & 150mm : PT, PF 3/8", 1/2"
- * No throttling screw inserted in the pressure port
- ▶ Material
 - Case : 304SS with pressure relief on top(60mm & 75mm) or blow out disk on back(100mm & 150mm)
 - Ring(Cover) : 304SS
 - Window : Glass(60mm & 75mm), Tempered Glass(100mm & 150mm), Laminated Safety Glass(311P)
 - Pointer : Aluminum Alloy, Black Painted
 - Connection : 316SS Monel
 - Element : 316SS Monel
 - Movement : 316SS, 304SS
 - Dial Plate : White Aluminum with Black Graduations
- ▶ Degree of Protection
 - IP65

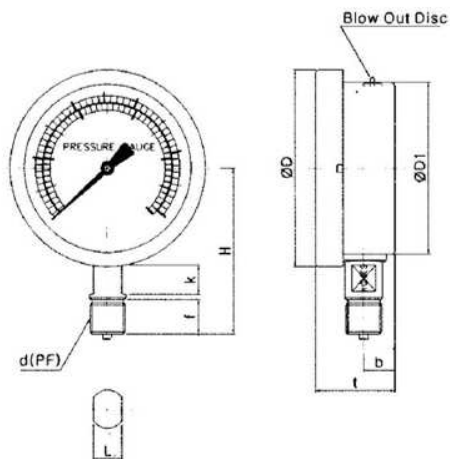
Standard Specifications

Model No	Dial size	Type	Commercial pressure range			Screw	Accuracy
			Pressure	Vacuum	Compound		
드림 - 31	60 $\emptyset$	A, B, D, BD	0.1 ~ 50MPa (1 ~ 500bar)	-0.1MPa (-1bar)	-0.1MPa - 0.1MPa (-1 ~ 1bar)	PF/PT 1/4	$\pm 1.5\%$
드림 - 32	75 $\emptyset$	A, B			-0.1MPa - 2MPa (-1 ~ 20bar)	PF/PT 1/4, 3/8	
드림 - 33	100 $\emptyset$	A, B, D, BD				PF/PT 1/4	
드림 - 34	150 $\emptyset$	A, B, D, BD				PF/PT 3/8, 1/2	

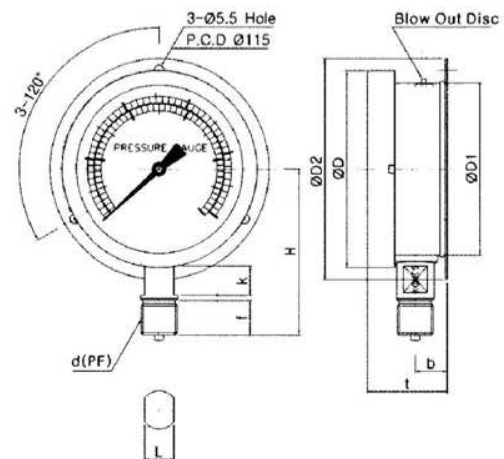
All Stainless Pressure Gauges(DREAM 31~34 Series)

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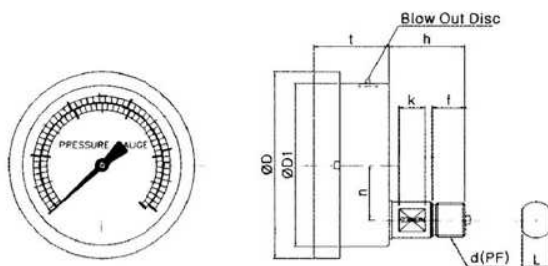
Model No. Dream31 / A-Type



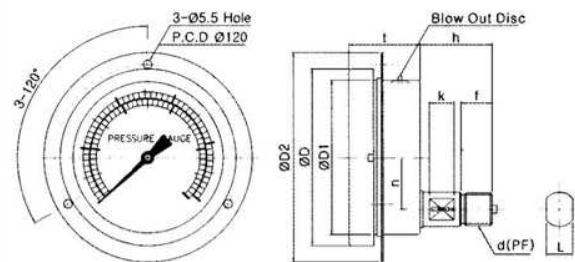
Model No. Dream32 / B-Type



Model No. Dream33 / D-Type



Model No. Dream34 / BD-Type



Standard Specifications

Nominal size(mm)	Dimensions(mm)											
	Connection	D	D ₁	D ₂	H	h	n	k	f	L	t	b
Ø60	PF/PT 1/4	72	64	90	62	34	18	9	14	12	41	12
Ø75	PF/PT 1/4, 3/8	87	77	107	70	33	22	10	16	14	41	14
Ø100	PF/PT 1/4, 3/8, 1/2	114	101	135	94	44	33	16	18	17	47.5	17
Ø150	PF/PT 1/4, 3/8, 1/2	168	152	188	116	44	33	16	18	17	50	17

Electric Contact Pressure Gauges(DREAM 41~44 Series)

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Model No. Dream41
(A-Type)



Model No. Dream44
(BD-Type)

Applications

- Corrosion resistance
- Pumps, compressors and regulators
- Refining & marine industry
- Control and regulation of industrial processes
- Monitoring of plants and switching of electric circuits
- Indication of limit values

Working Pressure

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : 130% of full scale value
(over range protection)

Operating Temperature

- Ambient : -20 ~ 60°C
- Media(Fluid) : -20 ~ 80°C

Standard Specification Overview

- ▶ Dial Size
 - 100mm(4"), 150mm(6")
- ▶ Reference Accuracy
 - 100mm&150mm : $\pm 1.5\%$ of Full Scale
- ▶ Scale Ranges*
 - 100mm & 150mm : Vacuum, Compound & 0 ~ 50MPa
- * For more information, see the ordering information table.
- ▶ Pressure Connection
 - 100mm(4") : PT, PF 3/8" 1/2"
 - 150mm(6") : 1/2"
- ▶ Electric Contacts
 - Inductive Load
 - Contact Rating : 0.2A at 110V AC, 0.1a at 220V AC
 - Resistance Load
 - Contact Rating : 0.5A at 110 V AC, 0.25a at 220V AC
 - Dielectric strength : AC1000V-1minute
 - Insulation Resistance : More than 100M ohm at DC 500V
- ▶ Material
 - Case : 304ss
 - Cover(ring) : 304SS
 - Window : Acrylic Molding
 - Pointer : Aluminum Alloy, Black Finished
 - Connection : 316
 - Element : 316
 - Movement : 304
 - Dial Plate : White Aluminum with Black Graduations
- ▶ Degree of Protection
 - IP54

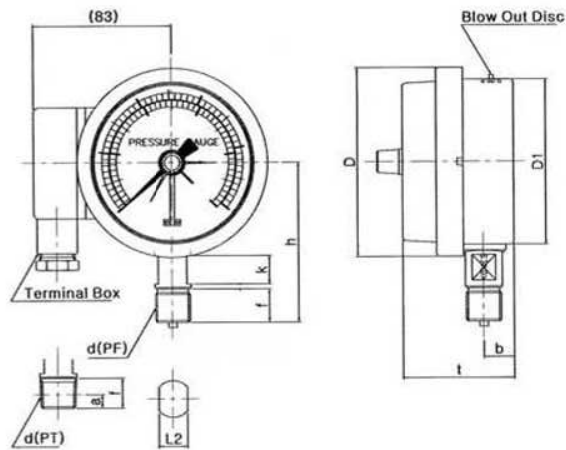
Standard Specifications

Model No	Dial size	Type	Contact	Operating Pressure Range			Screw	Electric	Accuracy					
				Pressure	Vacuum	Compound								
Dream - 41	100Ø 150Ø	A,D BD	1p(上)	0.1MPa ~ 50MPa (1 ~ 500bar)	-0.1MPa (-1bar)	-0.1MPa ~ 0.1MPa (-1 ~ 1bar)	PF PT 1/4,3/8,1/2	AC100V/0.5A AC220V/0.2A	± 1.5%					
Dream - 42			1p(下)			>								
Dream - 43			2p(上/下)											
Dream - 44														

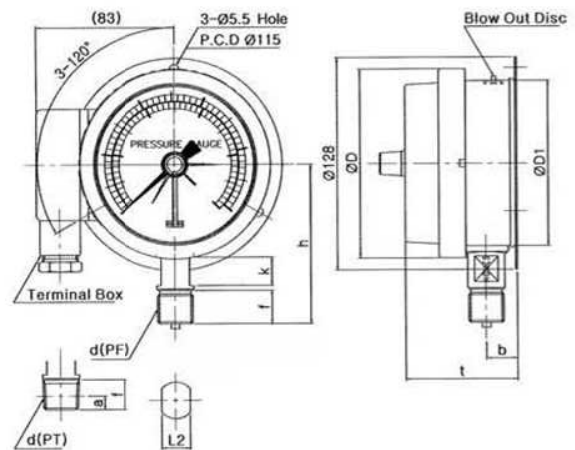
Electric Contact Pressure Gauges(DREAM 41~44 Series)

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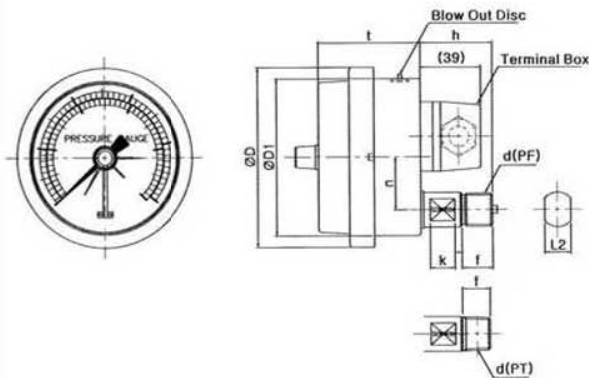
Model No. Dream41 / A-Type



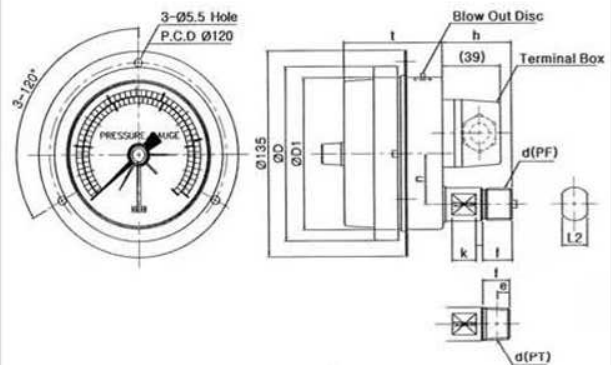
Model No. Dream42 / B-Type



Model No. Dream43 / D-Type



Model No. Dream44 / BD-Type



Standard Specifications

Nominal size(mm)	Dimensions(mm)											Wiring Diagram	Terminal
	Connection	D	D1	b	n	H	h	k	f	L	t		
Ø100	PF/PT 3/8, 1/2	114	101	17	33	44	33	16	18	17	66		Terminal Type
Ø150	PF/PT 3/8, 1/2	168	152	17	33	44	33	16	18	17	66		Connector Type

Diaphragm Sealed Pressure Gauges(DREAM 51~54 Series)

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Model No. Dream51



Model No. Dream52



Model No. Dream53



Model No. Dream54

Applications

- Specially designed for chemical, petrochemical, paper and food industry
- All gaseous and liquid media
- Corrode, Suspended solid, Viscous or Frozen medium
- Shock & vibration application
- Pumps, compressors and regulators
- Refining & marine industry

Working Pressure

- Steady : 3/4 of full scale value
(recommendation: 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : 130% of full scale value
(over range protection/100mm, 115mm, 150mm & 160mm)

Operating Temperature

- Ambient : -20 ~ 60°C
- Media(Fluid) : +100°C maximum

Standard Specification Overview

- ▶ Dial Size
 - 100mm(4"), 150mm(6")
 - * Above dial size is standard but others are available upon request
- ▶ Reference Accuracy
 - Refer to Gauge Model
- ▶ Scale Ranges*
 - Refer to Gauge Model
 - * For more information, see the ordering information table.
- ▶ Pressure Connection
 - PT('G' in ISO) 3/8", PT('R' in ISO) 1/2"
- ▶ Material
 - Upper Flange : 304SS, 316SS
 - Diaphragm : 316SS, Monel, Hastelloy-C, Titanium, Tantalum
 - Under Flange : 304SS, 316SS, 316LS, Monel, Hastelloy-C, Titanium, Tantalum

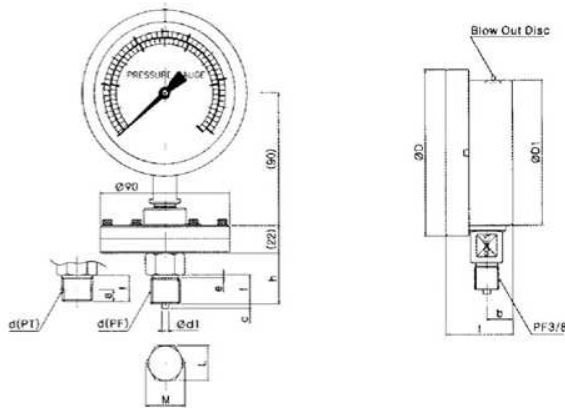
Standard Specifications

Dial size / Case	Type	Pressure	Compound	Screw	Accuracy
60Ø	A, B D, BD	0.1MPa ~ 10MPa (1~100bar)	-0.1MPa ~ 0.1MPa ≥ -0.1MPa ~ 2MPa (-1 ~ 20bar)	Screw	± 1.5% or ± 1.0
75Ø				Flange	
100Ø				Sanitary	
150Ø				Conduit	

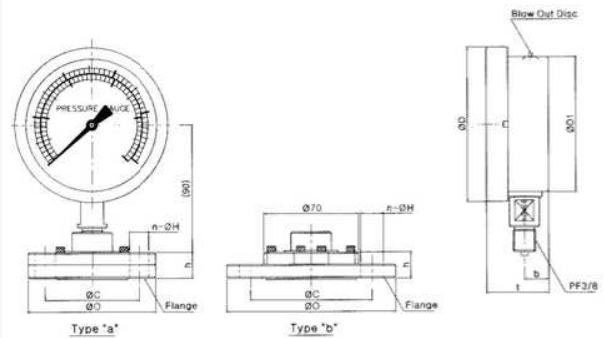
Diaphragm Sealed Pressure Gauges(DREAM 51~54 Series)

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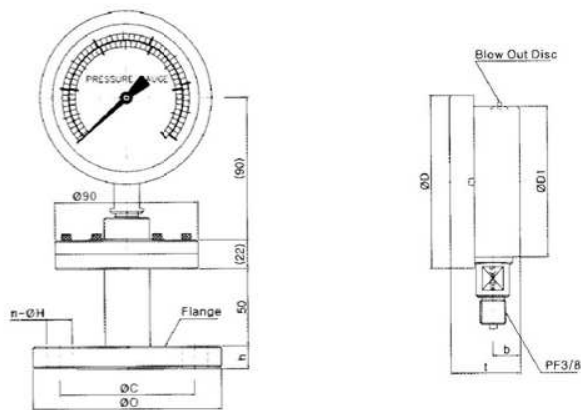
Model No. Dream51



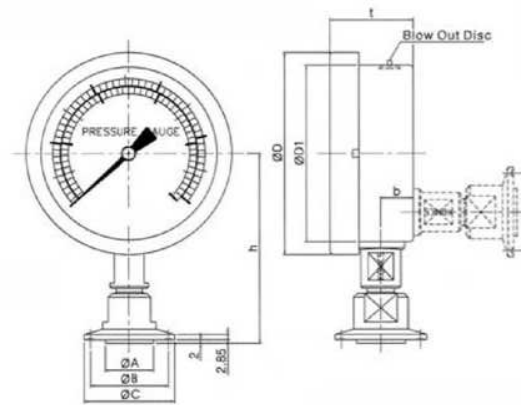
Model No. Dream52



Model No. Dream53



Model No. Dream54



Standard Specifications

Nominal size(mm)	Dimensions(mm)											
	Connection	D	D ₁	D ₂	H	h	n	k	f	L	t	b
Ø60	PF/PT 1/4	72	64	90	62	34	18	9	14	12	41	12
Ø75	PF/PT 1/4, 3/8	87	77	107	70	33	22	10	16	14	41	14
Ø100	PF/PT 1/4, 3/8, 1/2	114	101	135	94	44	33	16	18	17	47.5	17
Ø150	PF/PT 1/4, 3/8, 1/2	168	152	188	116	44	33	16	18	17	50	17

General Service Low Pressure Gauges(DREAM 61~62 Series)

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Model No. Dream61



Model No. Dream62

Applications

- Low pressure measuring
- Furnace or air and gas pressure in tank

Working Pressure

- Steady : 3/4 of full scale value
(recommendation : 25% to 75% of full scale)
- Fluctuating : 2/3 of full scale value
(recommendation : lower 50% of full scale)
- Short time : full scale value

Operating Temperature

- Ambient : -20 ~ 65°C
- Media(Fluid) : -20 ~ 80°C

Standard Specification Overview

► Dial Size

- 75mm(3"), 100mm(4")

► Reference Accuracy

- 75mm(3"), 100mm(4") : PT('R' in ISO) 3/8"

► Scale Ranges*

- 75mm(3"), 100(4") : -30 ~ 0kPa to 0~50kPa Vacuum & Compound

* For more information, see the ordering information table.

► Pressure Connection

- 75mm(3"),100mm(4") : PT('R' in ISO) 3/8"

► Material

- Case : Chrome Coated Steel
- Ring(Cover) : Chrome Coated Steel
- Window : Glass
- Pointer : Aluminum Alloy, Black Painted
- Connection : Brass
- Element : Brass
- Movement : Brass
- Dial Plate : White Aluminum with Black Graduations

► Degree of Protection

- IP54

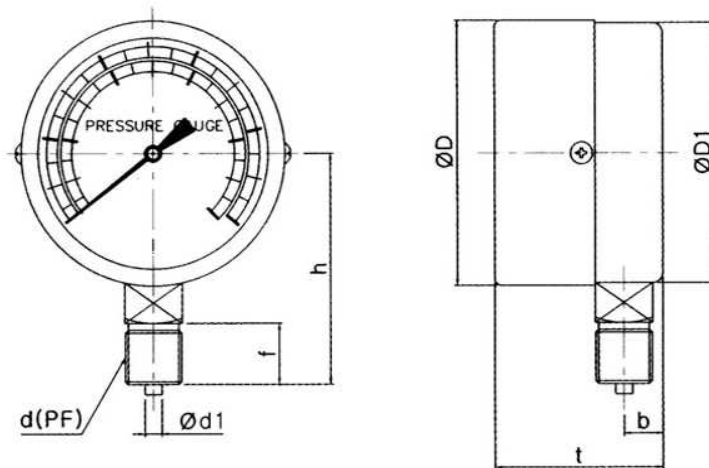
Standard Specifications

Model No	Dial size	Type	Commercial pressure range		Screw	Accuracy
			Manometer	Vacuum gauge		
Dream - 61	75Ø	A	3KPa ~ 50KPa (300 ~ 5000mmHg)	-3KPa ~ -50KPa (-300 ~ -5000mmHg)	PF PT	± 1.5%
Dream - 62	100Ø	A				
Dream - 63 Dream - 64		A				

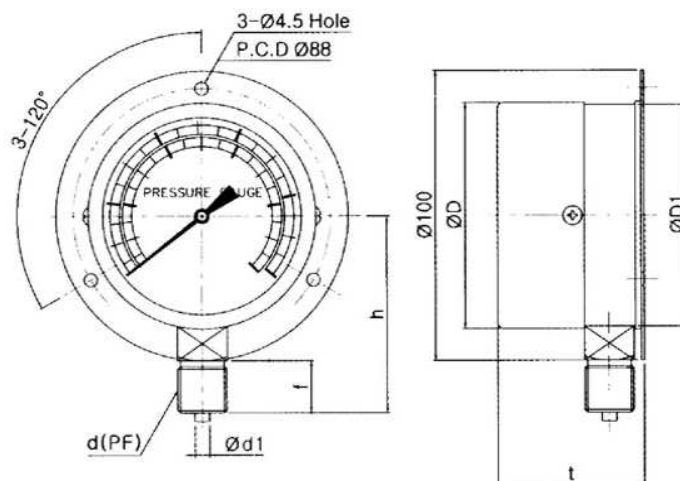
General Service Low Pressure Gauges(DREAM 61~62 Series)

www.drfg.co.kr

Model No. Dream61 / A-Type



Model No. Dream62 / B-Type



Dimensions(mm)

Nominal size(mm)	Con'n(d)	ØD	ØD1	b	t	L1	h	f	Ød1
Ø75	PF,PT 1/4, 3/8	78	76.5	12	50	17	68	18	5
Ø100	PF,PT 3/8	110	101	20	47	14	84	18	5



Model No. Dream110

Applications

- Providing economical and reliable service
- Non-corrosive media such as Gas, Oil and Water
- Machine and plant engineering
- Piping, pressure vessels and industrial heating

Temperature Element

- Coiled bimetal

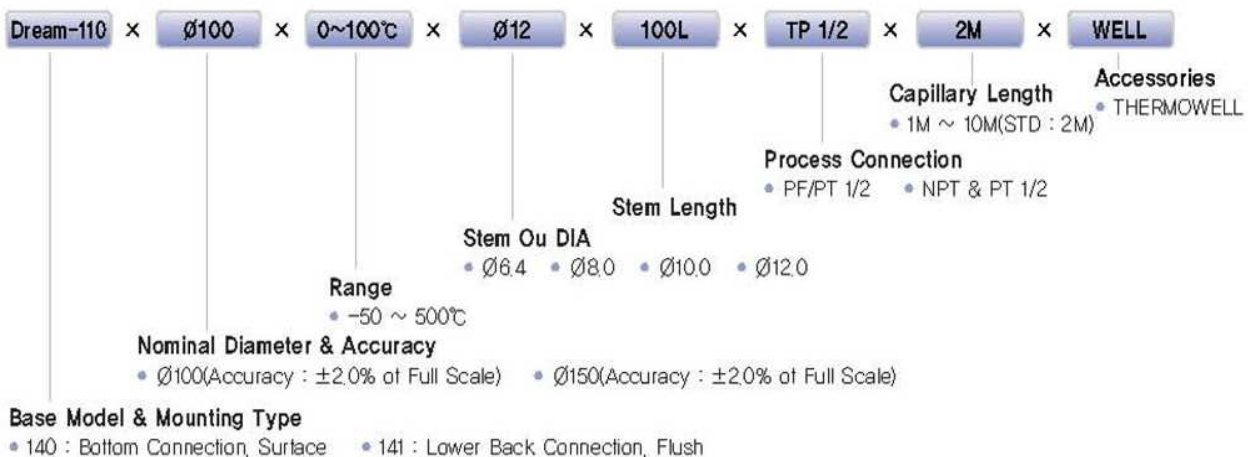
Working Range

- Maximum scale value

Standard Specification Overview

- ▶ **Dial Size**
 - 50mm, 75mm, 100mm
- ▶ **Reference Accuracy**
 - $\pm 2.0\%$ of Full Scale
- ▶ **Scale Ranges**
 - 0 ~ 500°C
- * For more information, see the ordering information table.
- ▶ **Process Connection**
 - 50mm : PT(R in ISO)1/4"
 - 75mm & 100mm : PT(R in ISO)1/2"
- ▶ **Material**
 - Case : 304SS(101T), 430SS(103T)
 - Ring(cover) : 304SS(101T), 430SS(103T)
 - Connection : Chrome Plated Brass
 - Stem : 304SS
 - Window : Glass
 - Dial : White Aluminum with Black Graduations
 - Pointer : Aluminum Alloy Black Finished

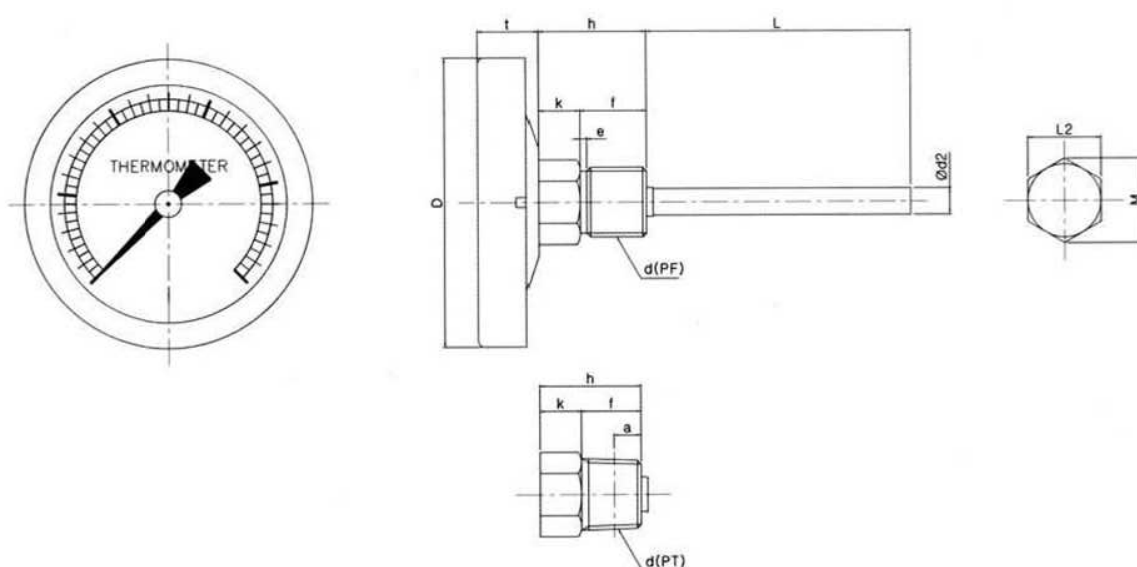
ORDERING INFORMATION



General Equipment Small Size Bimetal Thermometers(DREAM 110 Series)

www.drfg.co.kr

Model No. Dream110 / T-Type(Direct Type)



Production standard temperature(°C)			
Temperature	Lengthh(mm)	Temperature	Lengthh(mm)
-20 ~ 80	50	0 ~ 200	30
-20 ~ 100	45	0 ~ 250	75
0 ~ 50	75	0 ~ 300	60
0 ~ 80	60	0 ~ 350	50
0 ~ 100	50	0 ~ 400	45
0 ~ 120	45	0 ~ 500	40
0 ~ 150	40		

Dimensions(mm)

Model No.	Con'n	ØD	t	L2	M	k	Ød2	h	f	e	a
Dream – 110	NPT & PT 3/8	87	(18)	19	(21.9)	10	6.4 8 10	(28)	18	2	–
								(26)	16	–	6.35
	NPT & PT 1/2			22	(25.4)	12	6.4 8 10 12	(32)	20	2	–
								(30)	18	–	8.16
	NPT & PT 3/4			27	(31.1)	14	6.4 8 10 12	(36)	22	2	–
								(34)	20	–	9.53

Industrial Service Bimetal Thermometer(DREAM 120 Series)

www.drfg.co.kr



Model No. Dream120

Applications

- Corrosive media
- Chemical process, petroleum food industry
- Machine and plant engineering
- Piping, pressure vessels and industrial heating

Temperature Element

- Coiled bimetal

Working Range

- Maximum scale value

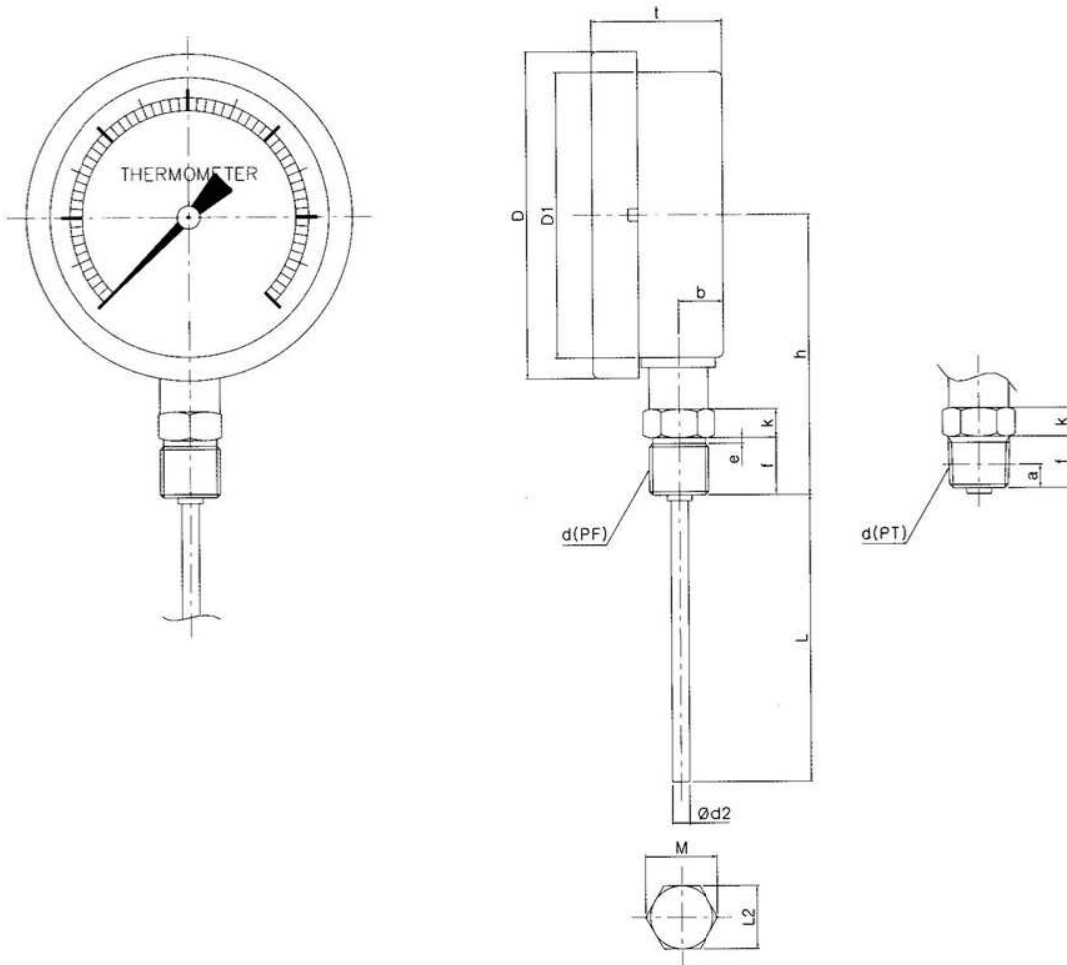
Standard Specification Overview

- ▶ Dial Size
 - 75mm, 100mm, 125mm, 150mm
- ▶ Reference Accuracy
 - $\pm 2.0\%$ of Full Scale
- ▶ Scale Ranges
 - 75mm, 100mm, 125mm, 150mm
- ▶ Process Connection
 - PT(“R” in ISO)1/2”, NPT1/2”
- ▶ Material
 - Case : 304SS
 - Ring(cover) : 304SS
 - Connection : 304SS
 - Stem : 304SS
 - Window : Glass
 - Dial : White Aluminum with Black Graduations
 - Pointer : Aluminum Alloy, Black Finished

Industrial Service Bimetal Thermometer(DREAM 120 Series)

www.drfg.co.kr

Model No. Dream120 / L-Type(Direct Type)



※ SS-4061 Series

Dimensions(mm)

Model No.	Con'n	ØD	ØD1	b	t	L2	M	k	Ød2	h	f	e	a
Dream – 120	NPT & PT 3/8	114	100	17	(46)	22	(25,4)	10	6,4	(96)	18	2	–
									8	(94)	16	–	6,35
	NPT & PT 1/2								6,4	(98)	20	2	–
									10	(96)	18	–	8,16
	NPT & PT 3/4					27	(31,1)	12	6,4	(100)	22	2	–
									8	(98)	20	–	9,53

Adjustable Type Thermometers(DREAM 130 Series)

www.drfg.co.kr



Model No. Dream130

Applications

- Corrosive media
- Chemical process, petroleum food industry
- Machine and plant engineering
- Piping, pressure vessels and industrial heating

Temperature Element

- Coiled bimetal

Working Range

- Maximum scale value

Standard Specification Overview

► Dial Size

- 75mm, 100mm, 125mm, 150mm

► Reference Accuracy

- $\pm 1.0\%$ of Full Scale(special)
- $\pm 2.0\%$ of Full Scale

► Scale Ranges*

- $-50 \sim 0 \sim 500^{\circ}\text{C}$

* For more information, see the ordering information table.

► Process Connection

- PT(R) in ISO1/2", NPT1/2"

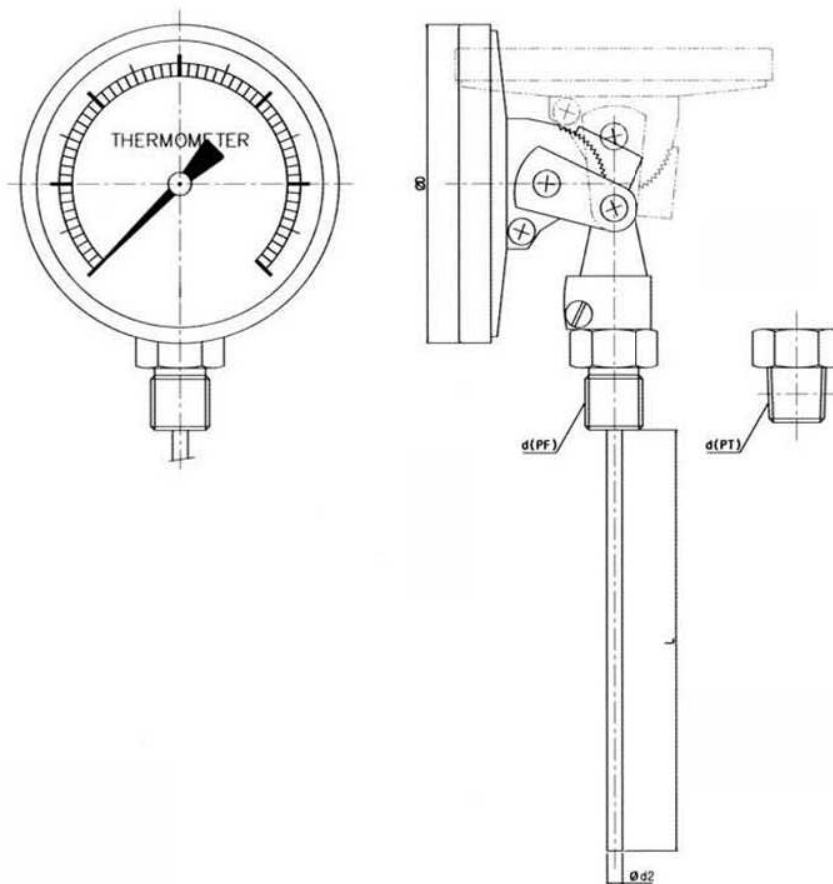
► Material

- Case : 304SS
- Ring(cover) : 304SS
- Connection : 304SS
- Stem : 304SS
- Window : Glass
- Dial : White Aluminum with Black Graduations
- Pointer : Aluminum Alloy, Black Finished

Adjustable Type Thermometers(DREAM 130 Series)

www.drfg.co.kr

Model No. Dream130 / ANGLE Type(Direct Type)



Dimensions(mm)

Model No.	ØD	Con'n	Ød2	Range(°C)	Minimum Graduation	Length Of Bulb "L"		
						Minimum Insertion Length		
						Ød2 = 6.4	Ød2 = 8.0	Max.
Dream - 130	110.5	PF 1/2 NPT & PT 1/2	6.4	-50 ~ 50	2	50	50	1000
				-20 ~ 80	2	45	45	
				0 ~ 50	1	75	75	
				0 ~ 100	2	50	50	
				0 ~ 120	2	45	45	
				0 ~ 150	2	50	50	
		PF 3/4 NPT & PT 3/4	8.0	0 ~ 200	5	30	30	
				0 ~ 250	5	75	75	
				0 ~ 300	5	60	60	
				0 ~ 350	5	50	50	
				0 ~ 500	10	40	40	



Model No. Dream140



Model No. Dream141

Applications

- Shipbuilding industry
- Corrosive, Non-Corrosive media
- Chemical process, petroleum food industry
- Machine and plant engineering
- Piping, pressure vessels and industrial heating
- Varying ambient condition

Temperature Element

- Liquid Filled System

Working Range

- Maximum scale value

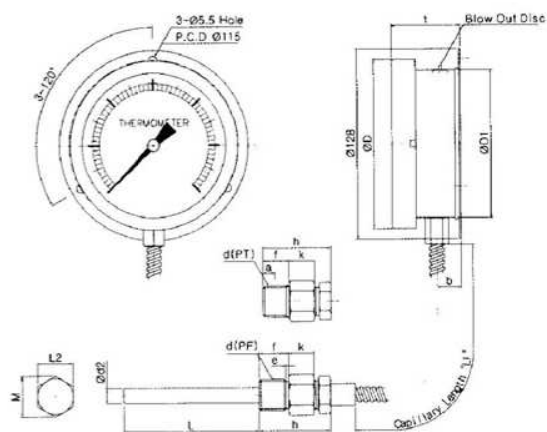
Standard Specification Overview

- ▶ Dial Size
 - 100mm
 - ▶ Reference Accuracy
 - $\pm 2.0\%$ of Full Scale
 - ▶ Scale Ranges*
 - $-50 \sim 0 \sim 500^{\circ}\text{C}$
- * For more information, see the ordering information table.
- ▶ Process Connection
 - PT("R" in ISO)1/2", NPT1/2"
 - ▶ Material
 - Case : 304SS
 - Ring(cover) : 304SS
 - Connection : 304SS
 - Stem : 304SS
 - Window : Glass
 - Dial : White Aluminum with Black Graduations
 - Pointer : Aluminum Alloy, Black Finished

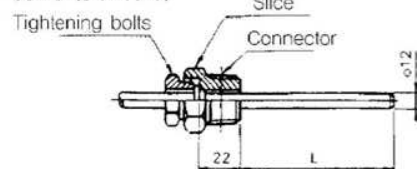
Liquid Filled Thermometers(DREAM 140 Series)

www.drfg.co.kr

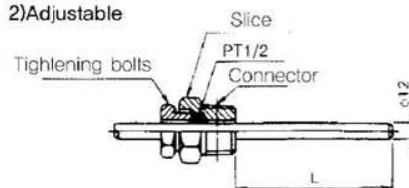
Model No. Dream140 / B-Type



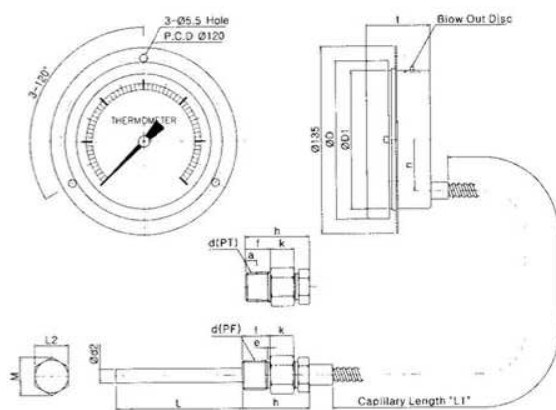
1)Union(Standard)



2)Adjustable



Model No. Dream141 / BD-Type



DREAM	Stem Dia(mm)		
	Ø8	Ø10	Ø12
-50 ~ 50	190	125	105
-20 ~ 80	163	106	90
0 ~ 50	348	220	180
0 ~ 100	190	125	105
0 ~ 120	163	106	90
0 ~ 150	136	93	80
0 ~ 200	110	77	67
0 ~ 250	93	68	60
0 ~ 300	83	60	54
0 ~ 350	75	53	50
0 ~ 500	62	48	44

Dimensions(mm)

Model No.	Con'n	ØD	ØD1	b	n	t	L2	M	k	Ød2	h	f	e	a
Dream - 140	PF 1/2	114	100	17	-	(46)	24	(27.7)	17	8 10 12	(50)	20	2	-
	NPT & PT 1/2										(48)	18	-	8.16
Dream - 141	PF 1/2	114	100	-	37	(46)	24	(27.7)	17	8 10 12	(50)	20	2	-
	NPT & PT 1/2										(48)	18	-	8.16

Certificate



KS CERTIFICATE

This is to certify that the Korean Industrial Standard Mark(KS mark) of :

DREAM FACTORY
SUDO-RO140BEON-GIL, WONMI-GU, BUCHEON-SI, GYEONGGI-DO,
KOREA
MOON IN KEUN

*has been approved by Korean Standards Association
to the following Korean Industrial Standard :*

KS B 5305
Bourdon tube pressure gauges

*General type CL 1.0 : pressure gauge / General type CL 1.5 : pressure gauge, vacuum gauge,
compound gauge. end*

in accordance with the Korean Industrial Standardization Act.

Certificate Number : 09-0159

Certification Date : 22-Apr-2009

Current Certificate : 28-Nov-2014

Certified by *Baek, Soo Hyun*
Chairman & CEO

KOREAN STANDARDS ASSOCIATION

305, Teheran-Ro, Gangnam-Gu, Seoul, Korea



품질인증(Q-Mark)지정서

Certificate of Quality Certification(Q-Mark)

업체명 : Dream Factory Co., Ltd.
 (Applicant)
 대표자 : In-Keun, Moon
 (Representative)
 소재지 : Sudo-ro 140Beon-gil Wonmi-gu Bucheon-si Gyeonggi-do,
 (Address) Korea
 품목 : Bourdon Tube Pressure Gauges
 (Product)
 모델명 : 'Attachment' Certificate Status
 (Model)
 지정번호 : 06-2011-002
 (Certificate No.)
 최초지정일자 : 2009년 04월 27일
 (The first Certificate Date) (Year) (Month) (Day)

품질인증 (Q-Mark) 운영규정에 적합한 인증제품을 생산
 하는 업체로 선정되어 품질인증 (Q-Mark) 업체로 지정합니다.

We give a certificate of Quality Certification (Q-Mark) to the enterprise
 producing the authentication product which is suitable for the operational
 regulation of Quality Certification (Q-Mark) Scheme.

2014년 11월 28일
 (Year) (Month) (Day)



한국기계전기전자시험연구원

Korea Testing Certification





Certificate No : 120601 - 02118

CERTIFICATE OF INNO-BIZ

Company : DREAM FACTORY CO.,LTD.
C E O : MOON IN KEUN
Address : 140 ,SUDO-RO , WONMI-GU, BUCHEON-SI,
GYEONGGI-DO, KOREA
Validity of Certificate : 2012. 12. 05 ~ 2015. 12. 04

This is to certify that the above-mentioned Company is an INNO-BIZ enterprise in accordance with Article 15 of the Act on Promotion of Technology Innovation for SMEs.

DEC 1, 2014



Administrator

Small and Medium Business
Administration
Republic of Korea

DREAM Factory

(2F Dodang-dong) Sudo-ro 140beon-gil,
Wonmi-gu, Bucheon-si, Gyeonggi-do, Korea
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Seoul Office : +82-2-6082-6400
E-mail:drfg203@naver.com
<http://www.drfg.co.kr>