



DIFFERENTIAL PRESSURE GAUGES

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Differential Pr. Gauges
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Indicating Differential
Pressure Switch



Flow Indicator

in. WC	mm WC	in. WC	mm WC
0.0681	27.71	703.8	7038
1	407.2	10343	1,034,300
0.00246	1	25.4	254
0.000977	0.0394	1	11
0.000488	0.0197	1	11

Pressure Conversion
Chart



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Diff. Pr. Gauges - Bellow/Diaphragm Type

MODEL : DPG-B (Bellow with Dry Case)

DPG-D (Diaphragm with Dry Case)

LFDPG-B (Bellow with Liquid Filled Case)

LFDPG-D (Diaphragm with Liquid Filled Case)

Features

- Bellow/Diaphragm type construction
- Reference Standard: EN - 837
- All SS internals
- Chemical seal unit (optional) for process suitability
- Accuracy $\pm 1\%$ FSD
- A set of two stainless steel bellows mounted on a force balance enables direct reading of the actual differential pressure.
- Each Bellow/Diaphragm of the pressure gauge can withstand the full static pressure without any damage or shifting being caused to the instrument.



Specifications

Dial	150 mm, Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Pointer	Light weight, micrometer adjustable
Sensing element	Bellow / Diaphragm
Sensor Material & Wetted Parts	SS316 / SS316L / Monel / Hastelloy-C
Movement	SS304 / SS316
Connection	½" NPT (M) as standard (other on request)
Range	Minimum 0 to 1000 mm WC
Static Pressure	Upto 60 kg/cm ² , Higher Static Pressure on request
Accuracy	$\pm 1\%$ FSD
Blow out disc	Provided (top of the case)
Temperature suitability	(-) 20°C to 80°C
Optional	Chemical seal units with Capillary Liquid filled case External Knob for zero setting

Ordering Information

MODEL : DPG-B / DPG-D / LFDPG-B / LFDPG-D



MOUNTING
 S Bottom Entry, Surface Mounting
 P Back Entry, Panel Mounting
 Y Bottom Entry, 2" Pipe Mounting

DIAL
 15 - 150 mm

CASE
 S4 SS304
 S6 SS316

SENSOR
 S SS316
 L SS316L
 M Monel
 HC Hastelloy
 X Any other (Please Specify)

WETTED PARTS
 S SS316
 L SS316L
 M Monel
 HC Hastelloy
 X Any other (Please Specify)

MOVEMENT
 A SS304
 B SS316

CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6	1/4"	NT NPT	M Male
10	3/8"	BP BSP	F Female
15	1/2"	BT BSPT	
20	3/4"	PF PF	
25	1"	GS Gas	
32	1.1/4"	NS NPS	
40	1.1/2"		XX - Any other

OPTION
 CE CE Certificate
 E External zero Adjustment
 G Glycerin Filled Case
 S Silicon Oil Filled Case
 N NACE
 O O₂ Cleaning
 D Dual Scale
 L Nil
 SF Solid Front
 BB Back Blow out Disc
 VP Vacuum Protection
 U Chemical Seal Unit-Refer Catalogue CSU
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm²(DP)
 B Bar(DP)
 C PSI(DP)
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

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Diff. Pr. Gauges-Bellow Diaphragm Type

MODEL : DPG-BD

Features

- Bellow- Diaphragm type construction
- Static pressure upto 40 kg/cm² (Max.)
- All SS internals
- Accuracy $\pm 1\%$ FSD
- Unit of measurement - mbar, mmWC, kPa
- IP-68 Protection
- For measurement of small differential pressures at high static pressure.



Specifications

Dial	100 mm / 150 mm, Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Pointer	Micrometer Pointer
Sensing Element	Bellow- Diaphragm in SS316, SS316L
Other wetted parts	SS316 / SS316L
Movement	SS304 / SS316
Connection	1/2" NPT (M) as standard (other on request)
Range	Minimum 0 to 250 mm WC
Static Pressure	Upto 40 kg/cm ² g max.
Accuracy	$\pm 1\%$ FSD
Blow out disc	Provided (top of the case)
Temperature suitability	(-) 20°C to 80°C

Ordering Information

MODEL : DPG-BD



MOUNTING
 S Bottom Entry, Surface Mounting
 Y Bottom Entry, 2" Pipe Mounting

DIAL
 10 - 100 mm
 15 - 150 mm

CASE
 S4 SS304
 S6 SS316

BELLOW-DIAPHRAGM
 S6 SS316
 SL SS316L

WETTED PARTS
 S6 SS316
 SL SS316L

MOVEMENT
 A SS304
 B SS316

CONNECTION					
SIZE	TYPE		MALE / FEMALE	METRIC THREADS	
6	1/4"	NT NPT	M Male	18 M - M 18 x 1.5	
10	3/8"	BP BSP	F Female	20 M - M 20 x 1.5	
15	1/2"	BT BSPT		24 M - M 24 x 1.5	
20	3/4"	PF PF		27 M - M 27 x 2	
25	1"	GS Gas		33 M - M 33 x 2	
32	1.1/4"	NS NPS		XX - Any other	
40	1.1/2"				

OPTION
 CE CE Certificate
 D Dual Scale
 L Nil
 N NACE
 O O₂ Cleaning
 BB Back Blow out Disc
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm²(DP)
 B Bar(DP)
 C PSI(DP)
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

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Differential Pr. Gauges-Capsule Type

MODEL : DPG-C

Features

- Low differential pressure measurement with high accuracy
- Sensing element- Capsule in SS316L
- Screwed connection
- Accuracy $\pm 1\%$ FSD
- Pyrosales stainless steel capsule differential pressure gauges are designed for measuring small differential pressures on clean & dry air or gas system



Specifications

Dial	100 mm / 150 mm, Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Sensing	Capsule in SS316, SS316L
Connection	½ " NPT (M) as standard (other on request)
Range	Any range between 0 to 60 mm WC to 0 to 1000 mmWC
Static Pressure	10 times the range (Maximum)
Accuracy	$\pm 1\%$ FSD
Temperature suitability	(-) 20°C to 80°C
Note	Capsule type DP Gauges are recommended for non-corrosive, clean, clear (colourless) & dry Gases / Air only

Ordering Information

MODEL : DPG-C



MOUNTING
 P Back Entry, Panel Mounting
 S Bottom Entry, Surface Mounting
 V Bottom Entry, Local Mounting
 Y Bottom Entry, 2" Pipe Mounting

DIAL
 10 - 100 mm
 15 - 150 mm

CASE
 S4 SS304
 S6 SS316

CAPSULE
 S6 SS316
 SL SS316L

WETTED PARTS
 S6 SS316
 SL SS316L

MOVEMENT
 A SS304
 B SS316

CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6 1/4"	NT NPT	M Male	18 M - M 18 x 1.5
10 3/8"	BP BSP	F Female	20 M - M 20 x 1.5
15 1/2"	BT BSPT		24 M - M 24 x 1.5
20 3/4"	PF PF		27 M - M 27 x 2
25 1"	GS Gas		33 M - M 33 x 2
32 1.1/4"	NS NPS		XX - Any other
40 1.1/2"			

OPTION
 CE CE Certificate
 N NACE
 O O₂ Cleaning
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify
 (Maximum 10 Times range)

UNIT
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

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Differential Pr. Gauges-Magnehelic Type

MODEL : DPG-M

Features

- Magnetic Diaphragm/Piston type construction
- Static pressure 35 bar & 100 bar
- Body block - Aluminium / SS316 / SS316L
- Screwed connection
- Accuracy $\pm 2\%$ FSD (Ascending)
- Unit of measurement - kg/cm², bar, mmWC
- IP-67 Protection



Specifications

Dial	100 mm / 150 mm, Aluminium, white background, black markings
Case & Bezel	SS304 weatherproof to IP-67 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Sensing	Diaphragm in Viton / Piston in SS
Body Material	Aluminium / SS304 / SS316
Magnet	Ceramic
Spring	SS316
Connection	1/4" NPT (F) as standard (other on request)
Range	Minimum 0 to 100 mm WC
Static Pressure	35 bar & 100 bar
Accuracy	$\pm 2\%$ FSD (on Ascending Side)
Blow out disc	Provided (top of the case)
Temperature suitability	(-) 20°C to 80°C

Optional	Switching : SPST (Reed Switch)
	Voltage : 230V AC/DC (max)
	Rating Switch : 1SPST & 2 SPST
	Capacity : 30 VA AC/DC (max)
	Current : 1 A (max)
	Switching : SPDT (Micro Switch)
	Voltage : 230V AC
	Rating Switch : 1 SPDT & 2 SPDT
	Current : 5 A (max)

Ordering Information

MODEL : DPG-M



MOUNTING
 L Local (Direct) Mounting
 P Panel Mounting
 Y 2" Pipe Mounting

DIAL
 10 - 100 mm
 15 - 150 mm

CASE
 S4 SS304

ELEMENT
 DV Diaphragm in Viton
 P6 Piston in SS316
 PL Piston in SS316L

WETTED PARTS
 AL Aluminium
 S6 SS316
 SL SS316L

CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6	1/4"	NT NPT	M Male
10	3/8"	BP BSP	F Female
15	1/2"	BT BSPT	
20	3/4"	PF PF	
25	1"	GS Gas	
32	1.1/4"	NS NPS	
40	1.1/2"		
			18 M - M 18 x 1.5
			20 M - M 20 x 1.5
			24 M - M 24 x 1.5
			27 M - M 27 x 2
			33 M - M 33 x 2
			XX - Any other

OPTION
 A 1 SPDT
 B 2 SPDT
 CE CE Certificate
 D Dual Scale
 I 1 SPST
 J 2 SPST
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm²(DP)
 B Bar(DP)
 C PSI(DP)
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

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Differential Pr. Gauges Diaphragm type

**MODEL : DPG-DS (Dry Case)
LFDPG-DS (with Liquid filled case)**

Features

- General purpose differential pressure measurement
- Sensing element of diaphragm
- Wetted Parts in SS316/SS316L/SS316+PTFE/Monel/Hastelloy-C
- Non-wetted parts & case in stainless steel
- Accuracy $\pm 2\%$ FSD
- 'Pyrosales' Diaphragm sensing differential pressure gauges are designed for general process applications where accuracy requirement is $\pm 2\%$ FSD
- Span of dial marking at 270 Deg angle, even for very low ranges



Specifications

Dial	100mm / 150 mm, Aluminium, white background, black markings
Case	SS304 as standard (SS316 on request) with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part 1 / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Pointer	Pointer Light weight, micrometer adjustable
Sensing element	Diaphragm
Wetted Parts	SS316 / SS316L / SS316+PTFE / Monel / Hastelloy-C
Movement	SS304 as standard (SS316 on request)
Connection	1/2" NPT (M) as standard (other on request)
Range	Any range between 0 to 160 mm WC & 0 to 1.6 kg/cm ² (DP)
Static Pressure	As shown below in the Table
Accuracy	$\pm 2\%$ FSD
Blow out disc	Provided (top of the case)
Temperature suitability	(-) 20°C to 80°C
Optional	Liquid filled case (for Range 0 to 1000mmWC & above only)

Range Vs Static Pressure:

Diff Pressure Range	Static Pressure	Case Filling
0 to 160 mmWC & 0 to 200mmWC	4 kg/cm ² .g as standard (up to 10 kg/cm ² .g on request)	N.A.
0 to 250 mmWC & above up to 1000 mmWC	6 kg/cm ² .g as standard (up to 25 kg/cm ² .g on request)	N.A.
0 to 1000 mmWC & above up to 1.6 kg/cm ²	15 kg/cm ² .g as standard (up to 40 kg/cm ² .g on request)	Available

Ordering Information

MODEL : DPG-DS / LFDPG-DS



MOUNTING
 V Bottom Entry, Local Mounting
 S Bottom Entry, Surface Mounting
 Y Bottom Entry, 2" Pipe Mounting

DIAL
 10 - 100 mm 15 - 150 mm

CASE
 S4 SS304
 S6 SS316

SENSOR
 S SS316
 L SS316L
 SP SS316+PTFE
 M Monel
 HC Hastelloy-C
 X Any other (Please Specify)

WETTED PARTS
 S SS316
 L SS316L
 SP SS316+PTFE
 M Monel
 HC Hastelloy-C
 X Any other (Please Specify)

MOVEMENT
 A SS304
 B SS316

CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6 1/4"	NT NPT	M Male	18M M18 x 1.5
10 3/8"	BP BSP	F Female	20M M20 x 1.5
15 1/2"	BT BSPT		24M M24 x 1.5
20 3/4"	PF PF		XX Any other
25 1"	GS Gas		
	NS NPS		

OPTION
 CE CE Certificate
 G Glycerin Filled Case
 S Silicon Oil Filled Case
 N NACE
 O O Cleaning 2
 D Dual Scale
 L Nil
 BB Back Blow out Disc
 VP Vacuum Protection
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm2(DP)
 B Bar(DP)
 C PSI(DP)
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

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Indicating Differential Pressure Switch

**MODEL : IDPS-B (Bellow Sensing)
IDPS-D (Diaphragm Sensing)**

Pyrosales has been designing and manufacturing high quality Bellow/Diaphragm Type Differential pressure indicating switches to suit most industrial applications, for accurate control of process equipment. Rigorous and continuous tests are conducted for design and quality conformance.

- Indicating differential pressure switches are design to use in pumps, compressors, lubrication systems, turbines, generators, boilers, furnaces etc. in industries such as chemical, fertiliser, ferrous and non-ferrous metal, pulp and paper, power, waste water treatment, refinery and petrochemical, synthetic fibre etc.



Specifications

Dial	150 mm, aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel (Weather proof) Die Cast Aluminium (Flame proof)
Protection	Weatherproof to IP - 68 (IS:13947 part I / IEC:60529) Flameproof to IIA, IIB (equivalent to NEC Cl. 1, Div. 2, Gr. C & D)
Window	Safety glass
Cable Entry	½" NPT (F)
Switch	1 SPDT / 2 SPDT. Snap acting micro-switch (DPDT on request) Rated 5A @ 230 VAC (3A @ 28 VDC)
Sensing element	Bellow / Diaphragm
Sensor Material & Wetted Parts	SS316 / SS316L / Monel / Hastelloy-C
Movement	Brass / SS304 / SS316
Set Point	Adjustable throughout the range
Mounting	Surface Mounting / 2" Pipe Mounting
Process Connection	1/2" NPT (M) as standard. Other connections optionally
Range	As per customer requirement (minimum 0 to 1000 mm WC)
Indication Accuracy	±1% FSD
Switching Accuracy	±1.5 - 2% FSD
Process Temperature	(-)20°C to 60°C
Calibration	All switches are individually calibrated
Optional	Diaphragm seal with Capillary



Ordering Information

TYPE : IDPS-B / IDPS-D



ENCLOSURE
 W Weatherproof
 F Flameproof

MOUNTING
 S Bottom Entry, Surface Mounting
 P Back Entry, Panel Mounting
 Y Bottom Entry, 2" Pipe Mounting

DIAL
 15 - 150 mm

CASE
 AL Die-cast Aluminium
 S4 SS304
 S6 SS316

SENSOR
 S SS316
 L SS316L
 M Monel
 HC Hastelloy
 X Any other (Please Specify)

WETTED PARTS
 S SS316
 L SS316L
 M Monel
 HC Hastelloy
 X Any other (Please Specify)

MOVEMENT
 2 Brass
 4 SS304
 6 SS316

OPTION
 A 1SPDT
 B 2SPDT
 CE CE Certificate
 N NACE
 O O₂ Cleaning
 D Dual Scale
 L Nil
 U Chemical Seal Unit-Refer Catalogue CSU
 X Accessory - Refer Catalogue ACC

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm² (DP)
 B Bar (DP)
 C PSI (DP)
 D kPa (DP)
 E mmHg (DP)
 F mmWC (DP)
 G mBar(DP)
 X Please Specify

RANGE
 Please Specify

CONNECTION			
SIZE	TYPE	MALE / FEMALE	METRIC THREADS
6 1/4"	NT NPT	M Male	18 M - M 18 x 1.5
10 3/8"	BP BSP	F Female	20 M - M 20 x 1.5
15 1/2"	BT BSPT		24 M - M 24 x 1.5
20 3/4"	PF PF		27 M - M 27 x 2
25 1"	GS Gas		33 M - M 33 x 2
32 1.1/4"	NS NPS		XX - Any other
40 1.1/2"			

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Flow Indicator

MODEL : FI

Features

- Differential pressure across orifice plate assembly
- Weld neck flange connection
- Unit of measurement direct in terms of flow unit
- Weatherproof to IP – 68 (IS 13947 Part 1)

Specifications

Orifice Plate Assembly

Design	Conforms to ISA RP 3.2, DIN 1952, BS 1042, ISO-5167
Types	Square edge concentric, Quadrant edged, Conical entrance, Eccentric, Segmental
Plate material	SS304, SS316, SS316L as standard. Hastelloy-C, Monel, PP, PVC, PTFE coated, etc. can be given on request.
Orifice Bore	In accordance with ISO-5167, BS-1042, ASME MFC 3M, R.W.Miller, L.K.Spink, AGA-3
Tag Plate	In the same material as plate & is welded to orifice plate. Tag plate integral to the Orifice plate (i.e. without welding) can also be offered as a special case.
Vent / Drain	Vent or Drain holes are provided as per customer's requirement. Not drilled for orifice bores smaller than 25.4 mm
Flange Union	Weld neck, Slip on, Threaded, Socket welded with RF or RTJ facing Orifice flanges are in accordance with ANSI B16.36 with minimum flange rating of 300# for sizes up to 8" or male - female flanges in accordance with ANSI B16.5.
Pressure Tappings	Corner tappings are recommended for sizes upto 1 1/2"; Flange taps from 2" to 16"; D – D/2 taps for higher sizes.
Gasket	CAF as per IS: 2712 Gr 0/1, SS spiral wound + CAF, SS spiral wound + Grafoil, SS spiral wound + PTFE are normally supplied as per process requirement. Other materials available on request. For RTJ flanges, the plate is fixed on the plate holder. The plate holder is in Soft Iron material & acts as a gasket.
Studs / Nuts	ASTM A193 Gr.B7/A-194 Gr.2H as standard, Other material on request.
Jack Screw	Carbon Steel (C1038 heat treated)

Flow Indicator

Dial	150 mm, Aluminium, white background, black markings
Case	SS304 / SS316 with bayonet bezel
Protection	Weatherproof to IP-68 (IS:13947 part I / IEC:60529)
Window	Safety glass (Shatter proof / Toughened glass)
Pointer	Light weight, micrometer adjustable
Sensing	Bellow in SS316L
Other wetted parts	SS316L
Movement	SS304 / SS316
Connection	1/2" NPT (M) as standard (other on request)
Range	Minimum 0 to 1000 mm WC
Static Pressure	Upto 60 kg/cm ² g, Higher Static Pressure on request
Accuracy	± 1% FSD
Blow out disc	Provided (top of the case)
Temperature suitability	(-) 20°C to 80°C
Optional	Three Valve Manifold in SS316, suitable SS tubing and associated instrument fittings



Ordering Information

MODEL : FI



TYPE OF ORIFICE PLATE
 SC Square Edge Concentric
 QC Quadrant Edge Concentric
 CC Conical Entrance
 EC Eccentric
 SE Segmental

PLATE MATERIAL
 S4 SS304 PP Poly Propelyne
 S6 SS316 HB Hastelloy B
 SL SS316L HC Hastelloy C
 ST SS316Ti TI Titanium
 S1 SS321 PF PTFE
 SP SS316+PTFE TA Tantalum
 M4 Monel 400

PLATE THICKNESS
 1 3.18mm
 2 6.35mm
 3 9.52mm
 4 12.70mm
 5 Other (Please specify)

TYPE OF FLANGE
 WN Welding Neck
 SO Slip On
 TH Threaded
 SW Socket Welded

LINE SIZE
 Please Specify

SCHEDULE
 A Sch.40
 B Sch.80
 C Sch.160
 D Sch.XXS
 X Any Other

FLOW RANGE & UNIT
 Please Specify

STATIC PRESSURE
 Please Specify

UNIT
 A kg/cm²(DP)
 B Bar(DP)
 C PSI(DP)
 D kPa(DP)
 E mmHg(DP)
 F mmWC(DP)
 G mBar(DP)
 X Please Specify

DP RANGE
 Please Specify

FLANGE MATERIAL
 S4 SS304 S1 SS321
 S6 SS316 M4 Monel 400
 SL SS316L HB Hastelloy B
 ST SS316Ti HC Hastelloy C
 SP SS316+PTFE TI Titanium

FLANGE RATING / FACING

Rating	Code	Facing	Code
150#	A	RF	RF
300#	B	FF	FF
600#	C	RTJ	RTJ
900#	D	LT	LT
1500#	E	LG	LG
2500#	F		

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Pressure Conversion Chart

To convert pressure from one unit to another:

1. Start at column heading with units to convert from.
2. Move down the same column to number "1".
3. Move across this row to the column with units heading you are converting to.
4. Multiply the number in this cell with the value you are converting from to get the new value in converted units.

psi	atms.	inch WC	mm WC	cm WC	oz/in ²	Kg/cm ²	inch Hg	mm Hg	cm Hg	mbar	bar	Pa (N/m ²)	KPa	MPa
1	0.0681	27.71	703.8	70.38	16	0.0704	2.036	51.715	5.17	68.95	0.0689	6,895	6.895	0.0069
14.7	1	407.2	10,343	1,034.30	235.1	1.033	29.92	760	76	1013	1.013	101,325	101.3	0.1013
0.0361	0.00246	1	25.4	2.54	0.5775	0.00254	0.0735	1.866	0.187	2.488	0.00249	248.8	0.249	0.00025
0.001421	0.000097	0.0394	1	0.1	0.0227	0.0001	0.00289	0.0735	0.00735	0.098	0.000098	9.8	0.0098	0.00001
0.01421	0.000967	0.3937	10	1	0.227	0.001	0.0289	0.735	0.0735	0.98	0.00098	98	0.098	0.0001
0.0625	0.00425	1.732	43.986	4.4	1	0.0044	0.1273	3.232	0.3232	4.31	0.00431	431	0.431	0.00043
14.22	0.968	394.1	10001	1000.1	227.6	1	28.96	735.6	73.56	980.7	0.981	98,067	98.07	0.0981
0.4912	0.03342	13.61	345.7	34.57	7.858	0.0345	1	25.4	2.54	33.86	0.0339	3,386	3.386	0.00339
0.01934	0.001316	0.536	13.61	1.361	0.31	0.00136	0.0394	1	0.1	1.333	0.001333	133.3	0.1333	0.000133
0.1934	0.01316	5.358	136.1	13.61	3.1	0.0136	0.394	10	1	13.33	0.01333	1,333	1.333	0.00133
0.0145	0.000987	0.4012	10.21	1.021	0.2321	0.00102	0.0295	0.75	0.075	1	0.001	100	0.1	0.0001
14.504	0.987	401.9	10,210	1021	232.1	1.02	29.53	750	75	1,000	1	100,000	100	0.1
0.000145	0.00001	0.00402	0.102	0.0102	0.00232	0.00001	0.000295	0.0075	0.00075	0.01	0.00001	1	0.001	0.000001
0.14504	0.00987	4.019	102.07	10.207	2.321	0.0102	0.295	7.5	0.75	10	0.01	1,000	1	0.001
145.04	9.869	4019	102,074	10,207	2321	10.2	295.3	7500	750	10,000	10	1,000,000	1,000	1