BRENNAN



TEST POINTS

DIAGNOSTIC TEST POINTS, HOSES, ADAPTERS & GUAGES



BRENNAN TEST POINTS

Brennan offers an extensive range of diagnostic test points, adapters, hoses and pressure gauges. Our inventory levels will ensure a short delivery time from our strategically placed warehouses nationwide.

Diagnostic test points allow you to:

- *Monitor pressures in your hydraulic system, both industrial and mobile*
- *Connection can be made under pressure up to 5,800 psi (400 bar)*
- *Vent your hydraulic system*
- *Draw a fluid sample for contamination measurement*

Our test points are manufactured to international standards and comply with the requirements of applications globally.

Our flexible manufacturing system allows specials to be designed for customer specific applications.

Brennan offers a range of standard test kits for use in field testing hydraulic system performance. Custom kits can also be designed to handle special OEM or service requirements.





DIAGNOSTIC TEST COUPLINGS



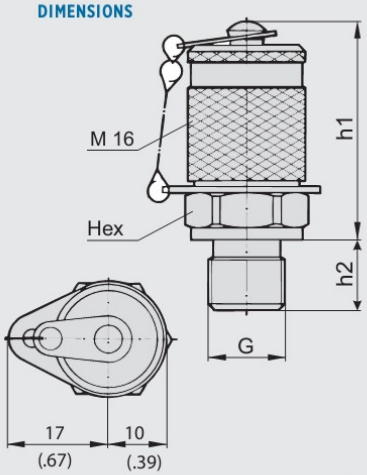
SPECIFICATIONS

- Carbon steel test point with stainless steel ball check
- Maximum working pressure – 9,000 psi (600 bar)
- Self locking protective metal cap
- Connection under pressure to 5,800 psi (400 bar)
- Vibration safety O-ring of NBR in cap
- Internal sealing O-ring of Viton®
- Temperature range from -4 ˚F to 392 ˚F (-20 ˚C to +200 ˚C)
- Suitable for hydraulic oils and other mineral based fluids
- Brennan's superior zinc-nickel plating

OPTIONS

- 304 Stainless steel
- 316 Stainless steel
- Soft seal piston type check
- Other internal seals for special fluids are available

DIMENSIONS

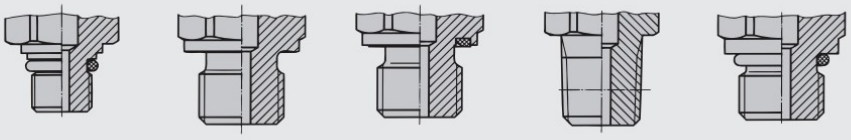


ORDERING INFORMATION

THREAD	SEALING	WORKING PRESSURE psi/bar	IN/MM h1	h2	Hex	PART NUMBER
M8 x 1	TYPE 1	3625 250	1.5 38	0.33 8,5	0.67 17	DP7005-08
M10 x 1		9137 630	1.5 38	0.39 9,8	0.67 17	DP7005-10
M12 x 1,5	TYPE 2	9137 630	1.46 37	0.47 12	0.67 17	DP7005-12
M14 x 1,5		9137 630	1.46 37	0.47 12	0.75 19	DP7005-14
M16 x 1,5		9137 630	1.46 37	0.47 12	0.87 22	DP7005-16
G1/4		9137 630	1.46 37	0.47 12	0.75 19	DP7002-04
G1/4	TYPE 3	9137 630	1.46 37	0.47 12	0.75 19	DP7002-04-PO
R1/4 K	TYPE 4	9137 630	1.38 35	0.47 12	0.67 17	DP7000-04
1/8 NPT		5801 400	1.42 36	0.39 10	0.67 17	DP2404-02
1/4 NPT		9137 630	1.38 35	0.59 15	0.67 17	DP2404-04 304/316-SS*
7/16-20 UNF	TYPE 5	9137 630	1.5 38	0.36 9,1	0.67 17	DP6400-04-0 304/316-SS*
9/16-18 UNF		9137 630	1.46 37	0.39 10	0.75 19	DP6400-06-0

*For stainless, add -304-SS or -316-SS to part number

PORT CONNECTIONS & SEALS



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5

DIAGNOSTIC TEST COUPLING

JIC CONNECTION



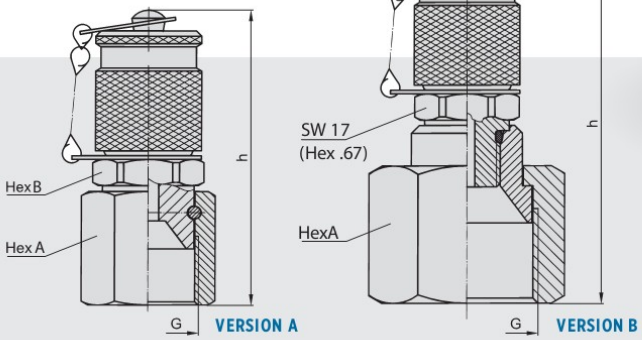
SPECIFICATIONS

- Carbon steel test point with stainless steel ball check
- 37 ° JIC fittings acc. to SAE J514
- Version A is a one-piece design
- Version B is a two-piece design
- Viton® seals are standard
- Brennan's superior zinc-nickel plating

OPTIONS

- Special sealing materials available on request

DIMENSIONS



ORDERING INFORMATION

PIPE OD INCH	JIC SIZE	VERSION	IN/MM h	Hex A	Hex B	THREAD (G)	PART NUMBER
1/4"	-4	A	2.09 53	0.67 17	0.67 17	7/16-20 UNF	**DP6504-04**
3/8"	-6		2.19 55,5	0.75 19	0.67 17	9/16-18 UNF	**DP6504-06**
1/2"	-8		2.22 56,5	0.87 22	0.75 19	3/4-16 UNF	**DP6504-08**
3/4"	-12	B	2.78 70,5	1.26 32	- -	1-1/16-12 UN	**DP6504-12**
1"	-16		2.72 69	1.50 38	- -	1-5/16-12 UN	**DP6504-16**
1-1/4"	-20		2.89 73.5	1.97 50	- -	1-5/8-12 UN	**DP6504-20**
1-1/2"	-24		2.99 76	2.36 60	- -	1-7/8-12 UN	**DP6504-24**



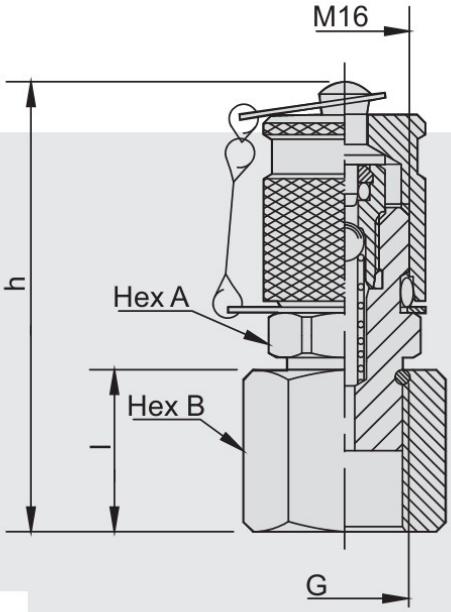
DIAGNOSTIC TEST COUPLING

O-RING FACE SEAL

SPECIFICATIONS

- Carbon steel test point with stainless steel ball check
- O-ring face seal in accordance with SAE J1453
- Brennan's superior zinc-nickel plating
- Viton® seals

DIMENSIONS



ORDERING INFORMATION

IN/MM h	l	Hex A	Hex B	THREAD (G)	PART NUMBER
2.1 54	0.75 19	0.67 17	0.67 17	9/16-18 UNF	DPFS6504-04
2.1 54	0.75 19	.075 19	0.80 21	11/16-16 UNF	DPFS6504-06
2.1 54	0.75 19	0.87 22	0.87 24	13/16-16 UNF	DPFS6504-08

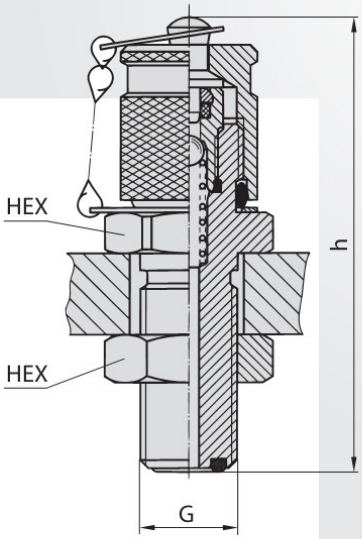
BULKHEAD DIAGNOSTIC TEST COUPLING



SPECIFICATIONS

- Carbon steel test point with stainless steel ball check
- O-ring face seal in accordance with SAE J1453
- Brennan's superior zinc-nickel plating
- Viton® seals

DIMENSIONS



ORDERING INFORMATION

IN/MM

h	*Hex*	THREAD *(G)*	PART NUMBER
2.64 67	0.87 22	9/16-18 UNF	DPMS-LN-04
2.83 72	1.06 27	11/16-16 UNF	DPMS-LN-06
2.95 75	1.18 30	13/16-16 UNF	DPMS-LN-08

SWIVEL RUN TEE

JIC TYPE M/F

SPECIFICATIONS

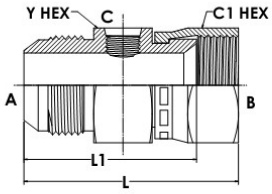
- Carbon steel test point with stainless steel ball check
- Brennan's superior zinc-nickel plating
- Test points to be ordered separately



ORDERING INFORMATION

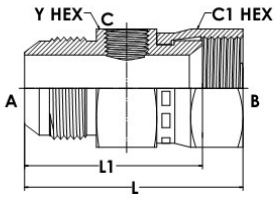
FOR USE WITH DP6400-04-O O-RING TEST POINT

PART NO.	DIMENSIONS (in/mm) Tube OD	A JIC 37	B FJS	C SAE Thread	A	B	L1	L	C1 Hex	Y Hex
6564-04-04-04	1/4 6.35	7/16-20	7/16-20	7/16-20	0.17 4.32	0.17 4.32	1.48 37.59	1.83 46.49	0.56 14.22	1.06 26.97
6564-06-06-04	3/8 9.52	9/16-18	9/16-18	7/16-20	0.29 7.54	0.29 7.54	1.57 39.88	1.95 49.53	0.68 17.27	1.06 26.97
6564-08-08-04	1/2 6.35	3/4-16	3/4-16	7/16-20	0.39 9.90	0.39 9.90	1.76 44.70	2.18 55.37	0.87 22.10	1.062 26.97



FOR USE WITH DP2404-04 MALE PIPE TEST POINT

PART NO.	DIMENSIONS (in/mm) Tube OD	A JIC 37	B FJS	C NPT Thread	A	B	L1	L	C1 Hex	Y Hex
6574-04-04-04	1/4 6.35	7/16-20	7/16-20	1/4-18	0.17 4.32	0.17 4.32	1.95 49.53	2.29 58.17	0.56 14.22	.75 19.05
6574-06-06-04	3/8 9.52	9/16-18	9/16-18	1/4-18	0.29 7.54	0.29 7.54	1.78 45.21	2.16 54.86	0.68 17.27	1.25 31.75
6574-08-08-04	1/2 6.35	3/4-16	3/4-16	1/4-18	0.39 9.90	0.39 9.90	2.15 54.61	2.57 65.28	0.87 22.10	.75 19.05



SWIVEL RUN TEE
O-RING FACE SEAL

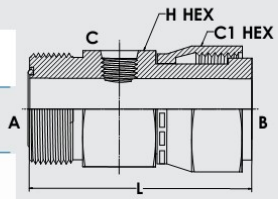


SAE FLANGE SPACER



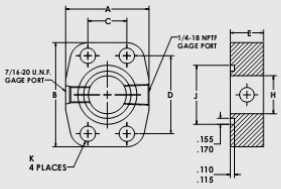
FOR USE WITH DP6400-04-O O-RING TEST POINT

PART NO.	DIMENSIONS (in/mm) Tube OD	A Thread	B Thread	C SAE Thread	A Drill	B Drill	L Lgth	C1 Hex	H Hex
FS6564-04-04-04	1/4 6.35	9/16-20	9/16-20	7/16-20	0.17 4.32	0.17 4.32	1.84 46.74	0.68 17.27	1.06 26.92
FS6564-06-06-04	3/8 9.52	11/16-16	11/16-16	7/16-20	0.26 6.61	0.26 6.61	1.95 49.53	0.81 20.57	1.06 26.92
FS6564-08-08-04	1/2 6.35	3/4-16	13/16-16	7/16-16	0.38 9.65	0.38 9.65	2.18 55.37	.94 23.88	1.06 26.92



FOR USE WITH DP2404-04 MALE PIPE TEST POINT

PART NO.	DIMENSIONS (in/mm) Flange Size	A	B	C	D	E	H	J	K Drill
1940-61-08	1/2 12.7	1.81 45.97	2.12 53.85	0.68 17.23	1.5 38.10	1.25 31.75	0.50 12.70	1.00 25.4	0.34 8.64
1940-61-12	3/4 19.05	2.06 53.22	2.56 65.02	0.87 22.10	1.87 47.50	1.25 31.75	0.75 19.05	1.25 31.75	0.41 10.41
1940-62-08	1/2 12.7	1.94 49.28	2.30 58.42	0.72 18.29	1.59 40.39	.87 22.10	.50 12.7	1.00 25.4	0.34 8.64
1940-62-12	3/4 19.05	2.50 63.5	2.95 74.96	0.94 23.88	2.00 50.80	1.25 31.75	0.75 19.05	1.25 31.75	0.41 10.41



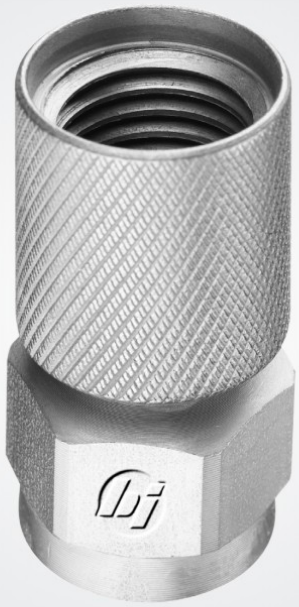
GAUGE ADAPTER

TEST HOSE ADAPTER, DGA

TEST POINT GAUGE ADAPTER, DDG



TEST HOSE ADAPTER - DGA

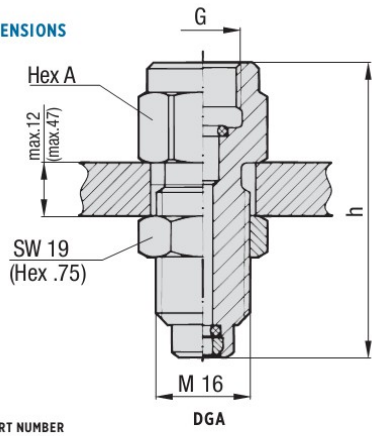


GAUGE ADAPTER - DDG

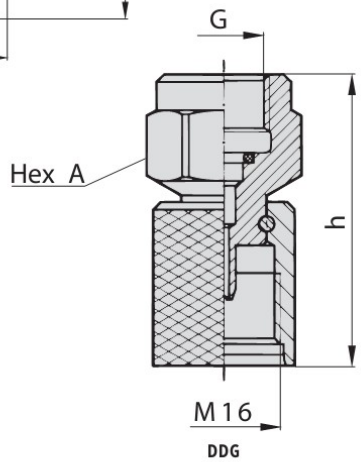
SPECIFICATIONS

- Carbon steel test point with stainless steel ball check (DGA)
- Adapter from gauge to test point (DDG)
- Brennan's superior zinc-nickel plating
- Viton® seals

DIMENSIONS



DGA



DDG

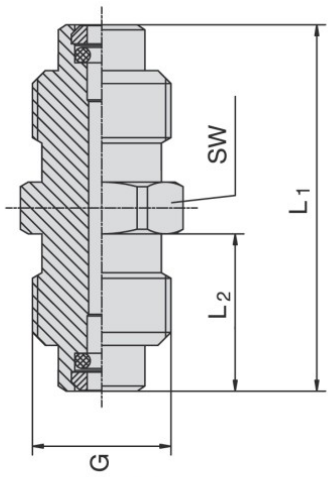
ORDERING INFORMATION

IN/MM h	Hex A	THREAD (G)	PART NUMBER
2.13 54	0.75 19	G1/4	DGA7003-04
2.52 64	0.75 19	1/4 NPT	DGA2404-04
2.40 61	1.06 27	1/2 NPT	DGA2404-08
1.61 41	0.75 19	G1/4	DDG7003-04
1.61 41	0.75 19	1/4 NPT	DDG2404-04
1.61 41	0.75 19	7/16-20 UNF	DDG6404-04

HOSE CONNECTOR

SPECIFICATIONS

- M16x2 union
- Brennan's superior zinc-nickel plating
- Viton® seals



DIMENSIONS



ORDERING INFORMATION

DIMENSIONS (mm/in) L1	L2	SW	THREAD	PART NUMBER
1.67	0.73	0.67	M16x2	DPU2403-16-16
42.5	18.5	17		

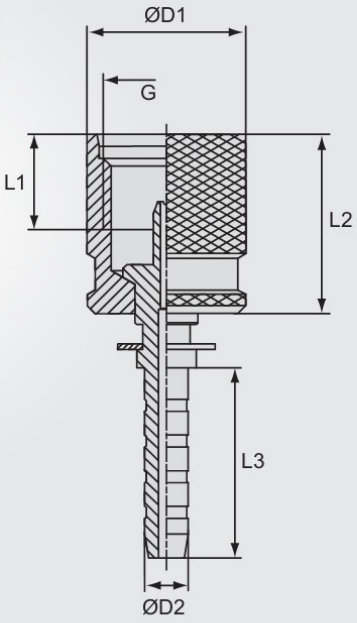
SAMPLING HOSE ADAPTER

SPECIFICATIONS

- M16x2 adapter to 1/4" plastic hose
- Brennan's superior zinc-nickel plating



DIMENSIONS



ORDERING INFORMATION

IN/MM OD1	OD2	L1	L2	L3	G	PART NUMBER
0.87	0.22	0.51	0.91	0.94	0.71	DPHA2111-04-16
22	5.5	13	23	24	18	

TEST HOSES

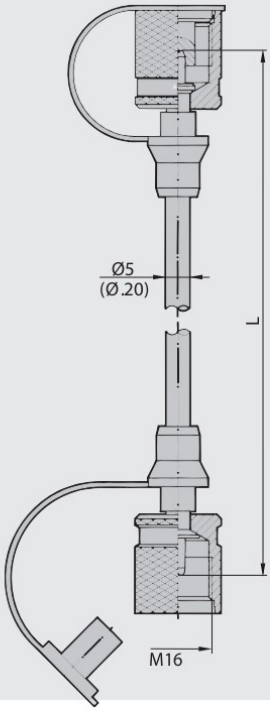
SPECIFICATIONS

- Working pressure up to 9,135 psi (630 bar)
- Brennan's superior zinc-nickel plating
- Test Hose ID – 0.08" (2mm)
- Minimum bending radius is 0.75" (19mm)
- Hose construction – hose core and cover – Polyamide reinforcement –synthetic fiber
- Burst pressure – 27,000 psi (1900 bar)

OPTIONS

- Standard lengths available as per the table below
- Custom lengths available on request
- Bending Protection* available on request, add -BP suffix to part numbers below, ex: "DTH-12-BP"
- Additional hose end options available

DIMENSIONS



ORDERING INFORMATION

STANDARD LENGTH (L) in	STANDARD LENGTH (L) mm	THREAD (G)	PART NUMBER
12	305	M16x2	**DTH-12**
24	610	M16x2	**DTH-24**
36	915	M16x2	**DTH-36**
48	1219	M16x2	**DTH-48**
60	1524	M16x2	**DTH-60**
72	1829	M16x2	**DTH-72**
96	2438	M16x2	**DTH-96**
120	3048	M16x2	**DTH-120**
240	6096	M16x2	**DTH-240**



BENDING PROTECTION*

PRESSURE TEST KITS

Brennan Pressure Test Kits are available pre-assembled with the most essential components that are required for hydraulic system pressure checking in a single rugged kit.

They are available with 1 gauge, 2 gauges, or 3 gauges.

Custom kits are available. OEMs in particular find this convenient for technicians and as an aftermarket service tool.

ORDERING INFORMATION

	SINGLE GAUGE KIT	PART NUMBER
DGK-S	1, 60-inch Hose Assembly	DTH-60
	1, Direct Gauge Adapter	DDG2404-04
	1, Union	DPU2403-16-16
	1, 7500 PSI Gauge	DG063-7500-S-04
	2, 1/8 NPT Pressure Test Coupling	DP2404-02
	3, 1/4 NPT Pressure Test Coupling	DP2404-04
	2, 7/16 UNF Pressure Test Coupling	DP6400-04-O
	2, 9/16 UNF Pressure Test Coupling	DP6400-06-O

	DOUBLE GAUGE KIT	PART NUMBER
DGK-D	1, 60-inch Hose Assembly	DTH-60
	2, Direct Gauge Adapter	DDG2404-04
	1, Union	DPU2403-16-16
	1, 7500 PSI Gauge	DG063-7500-S-04
	1, 1000 PSI Gauge	DG063-1000-S-04
	2, 1/8 NPT Pressure Test Coupling	DP2404-02
	2, 1/4 NPT Pressure Test Coupling	DP2404-04
	1, 7/16 UNF Pressure Test Coupling	DP6400-04-O
	1, 9/16 UNF Pressure Test Coupling	DP6400-06-O

	TRIPLE GAUGE KIT	PART NUMBER
DGK-T	1, 60-inch Hose Assembly	DTH-60
	3, Direct Gauge Adapter	DDG4204-04
	2, Union	DPU2403-16-16
	1, -15" Hg-0-30 PSI Gauge	DG-15-30
	1, 7500 PSI Gauge	DG063-7500-S-04
	1, 1000 PSI Gauge	DG063-1000-S-04
	2, 1/8 NPT Pressure Test Coupling	DP2404-02
	2, 1/4 NPT Pressure Test Coupling	DP2404-04
	1, 7/16 UNF Pressure Test Coupling	DP6400-04-O
	1, 9/16 UNF Pressure Test Coupling	DP6400-06-O



SINGLE GAUGE KIT - DGK-S



DOUBLE GAUGE KIT - DGK-D



TRIPLE GAUGE KIT - DGK-T



PRESSURE GAUGES



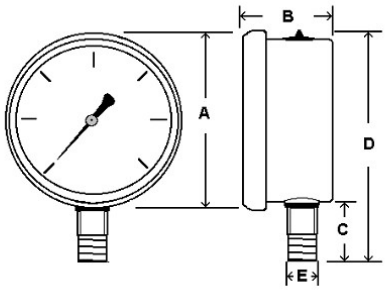
SPECIFICATIONS

- Glycerin filled
- Copper base alloy bourdon tube
- Suitable for hydraulic oil and gaseous media compatible with copper base alloys
- Available in size 2 ½"(63mm)
- Stainless steel case & bezel, copper alloy internals
- Polycarbonate sight glass
- Standard dual scale – psi/bar
- IP65 protection rating
- Accuracy 2-1-2% of span ASME B40.1 Grade A
- Operating temperature of -20°F to 160°F (-7°C to 71°C)
- Design meets or exceeds ASME B40.100 pressure gauge standard

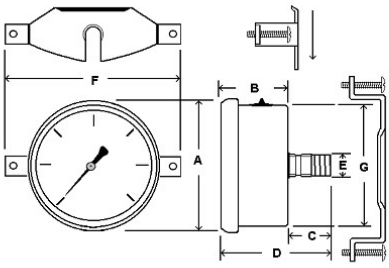
OPTIONS

- Stem or panel mount
- Protective rubber cover
- U-bolt or flange mounting kit available for panel gauges
- Custom scales and sizes available on request

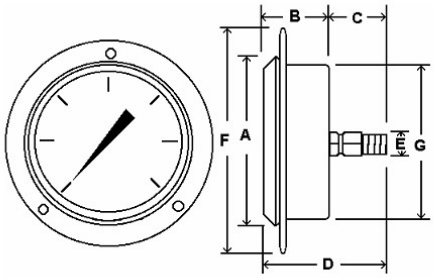
STEM MOUNT



PANEL MOUNT U-BOLT



PANEL MOUNT FLANGE



ORDERING INFORMATION

DG063-3000-S-NPT

PRESSURE RANGE AVAILABILITY

PRESSURE RANGE	*PRESSURE RANGE*
-30" Hg-15 / -1.02-1 bar	30HG15
100 psi / 6.9 bar	100
*300 psi / 21 bar	300
600 psi / 41 bar	600
1000 psi / 69 bar	1000
1500 psi / 103 bar	1500
2000 psi / 138 bar	2000
3000 psi / 207 bar	3000
4000 psi / 276 bar	4000
5000 psi / 345 bar	5000
10,000 psi / 517 bar	10,000

-NPT FOR 1/4" MALE NPT THREAD
-UNF FOR 7/16-20 UNF THREAD

-S FOR STEM MOUNT
-PU FOR PANEL MOUNT U-BOLT
-PF FOR PANEL MOUNT FLANGE

ALSO AVAILABLE

Rubber boot	DG063-RC
U-bolt kit (for panel mounting)	DG063-U
Front flange kit	DG063-F

***SAE 1/4" gauge port available in all sizes with the exception of 300 psi range. Call for availability.**

DIMENSIONS

GAUGE VERSION	DIMENSIONS (in/mm) A	B	C	D	E	F	G
STEM MOUNT	2.80	1.40	1.07	3.55	1/4" NPT		
	71	36	27	90	1/4" NPT		
PANEL MOUNT	2.80	1.34	.94	2.28	1/4" NPT	3.84	2.48
U-BOLT	71	34	24	58	1/4" NPT	98	63
PANEL MOUNT	2.80	1.34	.94	2.28	1/4" NPT	3.45	2.48
FLANGE	71	34	24	58	1/4" NPT	88	63

PRESSURE GAUGES

DIGITAL TYPE – DGD SERIES



GENERAL DESCRIPTION

The DGD series is designed for fast and precise pressure measurement in hydraulic systems particularly for oil, lubricants and water. These gauges are battery operated and portable, intended for use with applications requiring high accuracy.

Additional features include a back-lit LED display for clear readings, stainless steel internals and peak/hold functions.

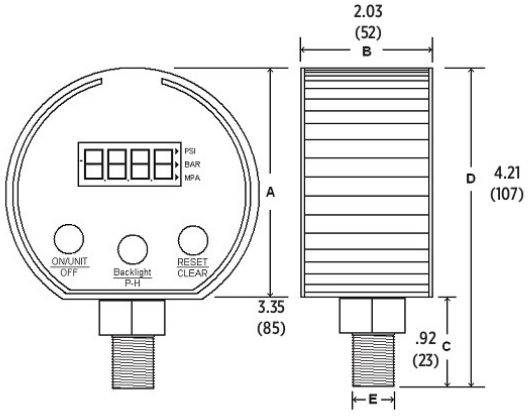
SPECIFICATIONS

- Black aluminum case and wetted parts of 316L stainless steel
- Display accuracy of .25% of span on 3" ASME B40.1 Grade 3A
- Standard ranges from 30" hg vac to 5,000 psi
- Response time, 250 milliseconds
- Lower mount, 1/4" NPT for 3"
- 9 volt battery power supply
- Permissible temperature:

  Ambient: 14 °F to 140 °F (-10 °C to 60 °C)

  Storage: 14 °F to 140 °F (-10 °C to 60 °C)

  Operating: 14 °F to 140 °F (-10 °C to 60 °C)
- Design meets or exceeds ASME B40.100 pressure gauge standard.
- Easy switch between international measurements psi, bar, MPa
- Environmental rating of IP65
- Front keypad adjustable programmable function



ORDERING INFORMATION

0-7,500 psi version	**DGD–7500-04**

Consult Factory for special kits using the DGD series gauge.

Connection is 1/4" NPT.

GAUGE ISOLATOR VALVES

NEEDLE VALVE STYLE



SPECIFICATIONS

- Steel body, zinc-nickel plated
- Steel spindle
- Polyamide handle
- Buna-N O-rings, PTFE anti-extrusion ring
- Max. working pressure, 5,800 psi (400 bar)
- Operating temperature -4 °F to 212 °F (-20 °C to 100 °C)
- Panel mounting nuts available on request
- In-line and 90 deg. options available

OPTIONS

TYPE	THREAD X *Female*	THREAD Y *Male*	IN/MM *B*	*C*	*D*	*E*	*F*	*G*	*H*	*L*	*M*	*N*	*P*	*S*	*Hex*	WEIGHT
DGIV1404	1/4 NPT	1/4 NPT	0.51	0.22	0.78	2.42	1.34	0.47		2.09	0.59	0.08	0.33	1.30	0.71	0.13
			13	5.6	20	61.5	34	12	M15x1	53	15	2	8.5	33	18	0.22
DGIV1501	1/4 NPT	1/4 NPT	0.53	0.22	0.87	1.57	1.34	0.39		2.60	0.43	0.08	0.33	1.10	0.71	0.11
			13.5	5.6	22	40	34	10	M15x1	66	11	2	8.5	28	18	0.44

*SAE Threads available on request

ORDERING INFORMATION

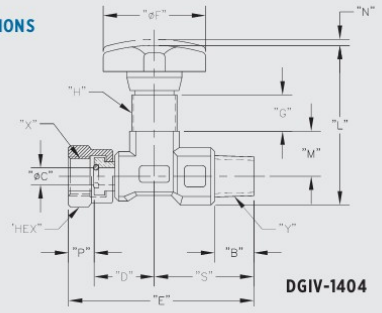
DGIV1404-04-PM

PANEL MOUNT
-PM Panel Mount Nut
- No Panel Mount Nut

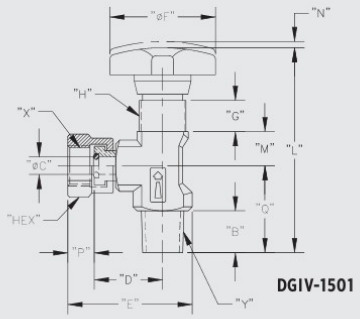
THREAD
-04 Threads X,Y - 1/4" NPT*

STYLE
DGIV1404 In-Line
DGIV1501 90°

DIMENSIONS



DGIV-1404



DGIV-1501

HYDRAULIC MULTI-TESTER

INCLUDES PROTECTIVE CASE, TWO TRANSDUCERS, CABLES AND ADAPTERS.





Brennan's digital hydraulic multi-tester can measure pressure, temperature, flow, RPM and more. It captures and displays two channels simultaneously, plus a third calculated channel (such as pressure differential). It takes precise readings in intervals from once every ten seconds up to every millisecond and makes it easy to see min/max values. Take readings for up to 165 hours, then connect to our PC software via the included USB cable and examine your data further. The multi-tester is a perfect match for Brennan test points.

GAUGE ISOLATOR VALVES

PUSH TO READ STYLE

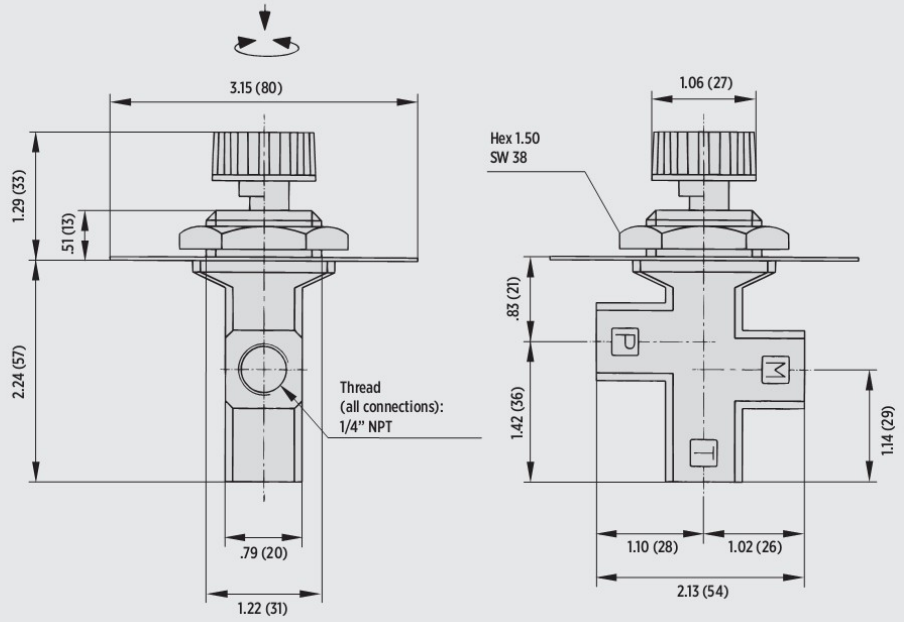


SPECIFICATIONS

- Cast iron body, steel spindle
- Polyamide push/turn button
- Aluminum face plate
- Push to read, turn to lock
- Maximum panel thickness 0.20" (5mm)
- Buna-N O-rings
- Maximum working pressure 5,800 psi (400 bar)
- Operating temperature range -22 °F to 239 °F (-30 °C to 115 °C)
- Suitable for mineral based hydraulic fluids
- 1/4" NPT thread in all ports

ORDERING INFORMATION

DGIV5605-04
*Includes panel mount nut and faceplate



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