



Product Information Bulletin (PIB)

1" GEN2 Pressure Regulator, Hydraulic Pilot

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1" GEN2 Pressure Regulator, Hydraulic Pilot

Gilmore announces the new 1" GEN 2 Pressure Regulator with Hydraulic Pilot product line for critical offshore and subsea applications. The Tungsten Carbide seal trim GEN 2 Pressure Regulator has been designed with the same footprint as the legacy Gilmore Hydraulic Pilot Regulators. This thoroughly redesigned product offering provides an improvement in cycle life and performance.

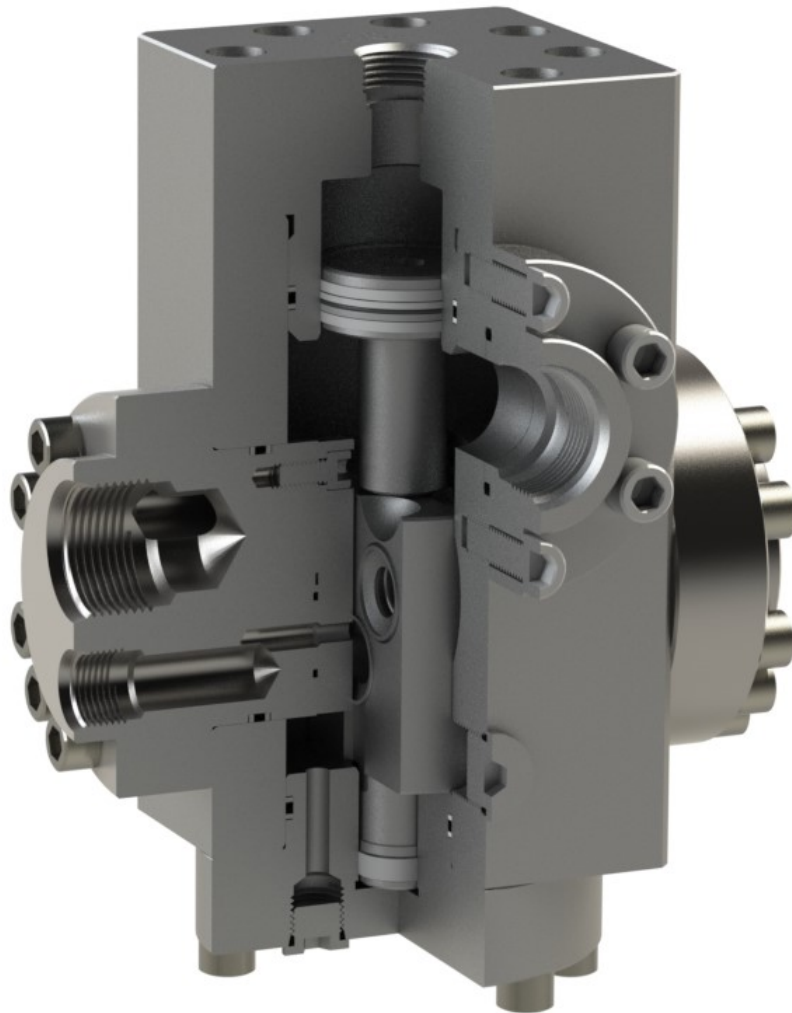


Figure 1. PN 29119: 1" GEN 2 Pressure Regulator, Hydraulic Pilot, Single Inlet, SAE Ports, 5000 – 300 psi range

Features and Benefits:

- Qualification exceeds API 16D requirements – 10,000 cycles at full flow rate and pressure
- Guided hydraulic dampening technology
- Improved deadband performance
- Refined Tungsten Carbide seal trim
- Enhanced bolted plunger guide
- Upgraded dynamic plunger T-Seal
- CRA Material Construction
- Threaded seal carrier alignment
- SAE Gauge and Auxiliary ports
- Performance Data available
- US Patent #10,739,796

1" GEN2 Pressure Regulator, Hydraulic Pilot

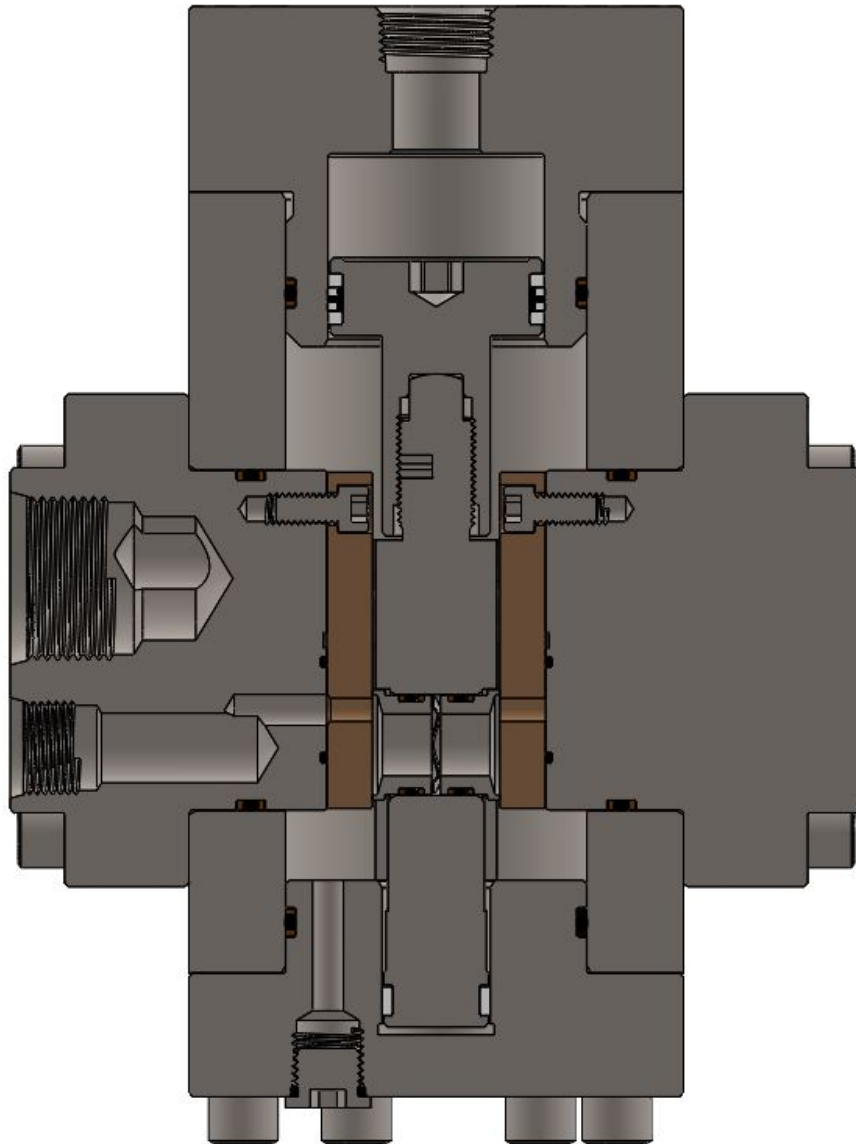


Figure 2. PN 29119 Cutaway: 1" GEN 2 Pressure Regulator, Hydraulic Pilot, Single Inlet, SAE Ports, 5000 – 300 psi range

Gilmore has exceeded API 16D requirements by qualifying the new 1" GEN 2 Hydraulic Pilot Regulator designs to multiple endurance tests to 10,000 cycles, at a starting flow rate of 150 gpm per inlet, at 5000 psi, with 1% - 4% water glycol test fluid. The detailed qualification report is available by request.

The new Gilmore 1" GEN 2 Hydraulic Pilot Regulators are drop-in replacements to the Gilmore legacy regulators.

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1" GEN2 Pressure Regulator, Hydraulic Pilot

The new Gilmore 1" GEN 2 Hydraulic Pilot Regulators are now available for purchase. Several examples of common Gilmore regulators are listed below for reference. Gilmore will be creating other drop-in 1" GEN 2 Hydraulic Pilot Regulator configurations as required.

Note that Gilmore will continue to sell and support the legacy 1" Hydraulic Pilot Regulators with valve sales, repair kits, seal kits, conversion kits and Aftermarket support.

Please contact Gilmore Customer Service to request a quotation for the 1" GEN 2 Hydraulic Pilot Pressure Regulators listed below, or any other configurations required that are not listed.

Table 1. Examples of New 1" GEN 2 Hydraulic Pilot Pressure Regulators:

Item	New Valve Description	Legacy PN Reference	GEN 2 Valve PN	GEN 2 Repair Kit PN	GEN 2 Seal Kit PN
1	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, Seal Sub Mounted, Dual Inlets	60173-1*	29092	29092 RK	29092 SK
2	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, Seal Sub Mounted, Dual Inlets	60173-1-TC*	29092	29092 RK	29092 SK
3	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, Seal Sub Mounted, Dual Inlets	60173*	29092	29092 RK	29092 SK
4	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, Seal Sub Mounted, Dual Inlets	170955	29092-1	29092-1 RK	29092-1 SK
5	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, 1" SAE, Single Inlet	44575-4*, **	29119	29119 RK	29119 SK
6	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, 1" NPT, Single Inlet	44575*	29120	29120 RK	29120 SK
7	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, 1" NPT, Single Inlet	44575-1*	29120	29120 RK	29120 SK
8	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, 1" NPT, Single Inlet	44575-2*	29120	29120 RK	29120 SK
9	Valve, Pressure Regulator, GEN 2, Hydraulic Pilot, Seal Sub Mounted, LH Inlet	60176*	29121	29121 RK	29121 SK

*Gage port improvement from NPT to SAE. Exact like for like porting can be created as needed

**Vent port increased from 3/8" SAE to 1/2" SAE. Exact like for like porting can be created as needed

Note that GEN 2 regulator kits are **not** interchangeable with legacy kits and cannot be used in the legacy regulators.

Please contact Gilmore Customer Service to request any drawings, manuals and quotations for these new GEN 2 regulators at info@gilmore.com.

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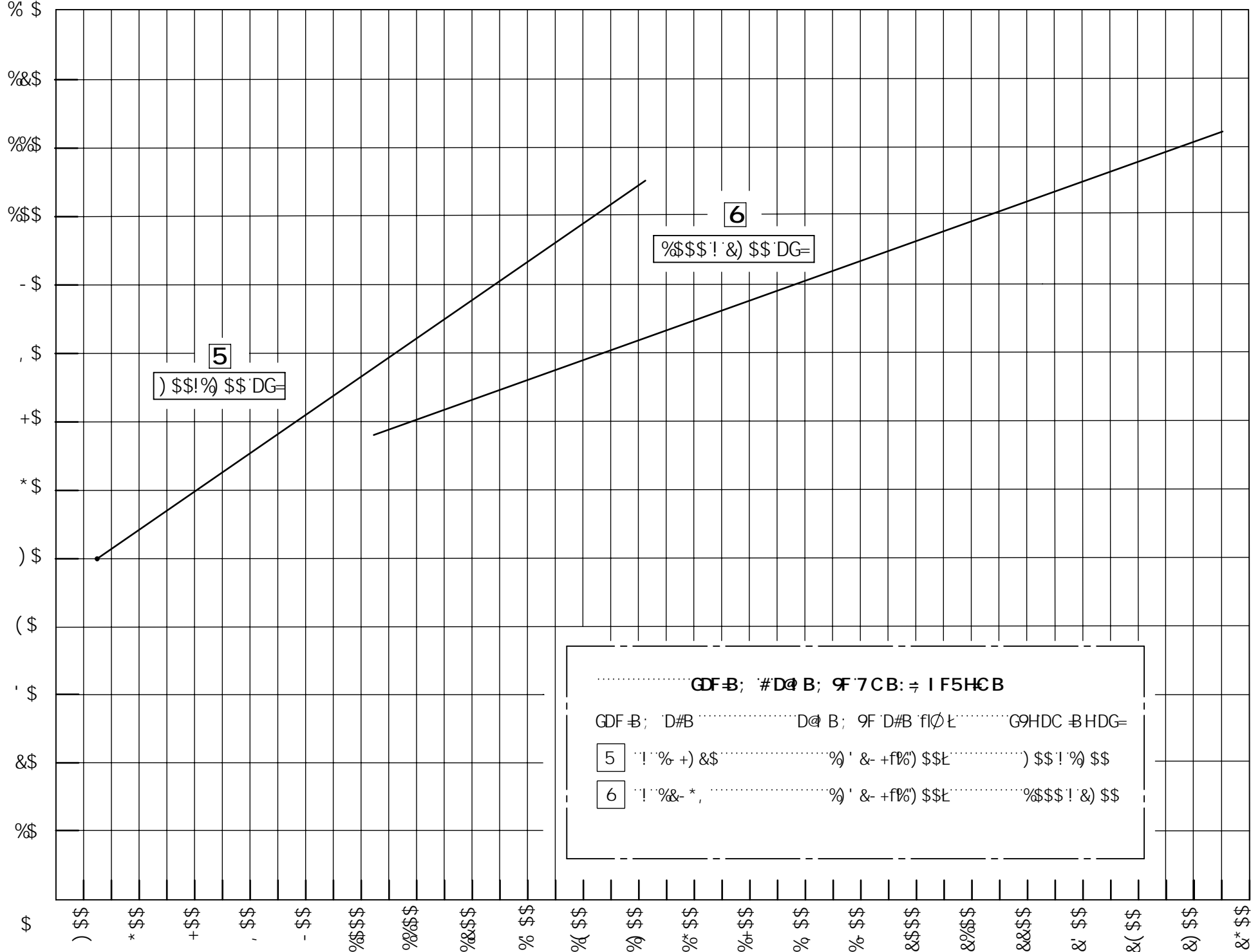
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; 9B '&DF9GGI F9'F9; I @5HC F': @C K 'F5H9G: C F 'G9HDC BHF5B; 9!'GB; @9'B@9H!' '\$\$\$'DG=G DD@M

HMD75@F9, I @5HCF'89A 5B8'7M @9: @C K '75D57#ME 'f[da t
K #K'CI H@HDF9GG F9'5DDFCL A 5H9M) \$i 'C: 'G9HDC BHF



GDF-B; #D@ B; 9F'7CB: ÷ I F5HCB
GDF-B; 'D#BD@ B; 9F'D#B'fI@L.....G9HDC BHDG=
5 '!'%+) &\$% ' &- +f%) '\$\$L.....) '\$\$!% '\$\$
6 '!'%&- *,% ' &- +f%) '\$\$L.....%\$\$\$!&) '\$\$

BC H9G
%": @C K '75D57 #H9G'5F9'±%\$! '5B8'65G98'CB: @-B'GD97 ÷7; F5J #MC: '%\$
&": @C K '75D57 #H9G'5F9'5DDFCL A 5H9M8CI 6@98'K <9B'HK C 'B@9H'G'5F9'DFCJ '898"
' "'65G98'CB'B@9H5B8'F9; I @5H98 '@B9'GA9'C: '%B7<'L<'D@9'4'('\$: 99H@C B; "
('"'57H 5@GMCHA ': @C K 'F5H9GA 5MJ 5FM'
)"'7CBGI @HK #k; @A C F9'9B; B99F B; ÷'C D9F5HB; 'CI HG89'K9'@GH98'G9HDC BHF
.....F5B; 9"

F9J -G@CBG				
REV	ERN /ECO NUMBER	DRAWN	CHECKED	APPROVED
A	ERN 02366	JOP 6/09/20	CMJ 6-9-20	AJP 6/9/20

A 5H9F-5@

7CB8#HB.

HF95HA 9BH

DFC798I F9'BI A 69F.

8-A 9BG@BG5B8'HC @F5B79G5F9
B'B7<9GD9F'5GA 9M4(')A1%-('"
I B@GGC H: 9FK @9GD97 ÷98.
%HC @F5B79G "L: ±"%
"LL: ±"\$%
"LL: ±"\$%)
5B: @G ±")*
&LGF: 579H9LH F9. ✓
'L7CF58-5@: 95H F9GG<5 @69 ©
K #k-B "\$%\$
(L6F95? G<5FD98; 9G"\$%\$
)L BH9FB5@F58=G<5 @69"\$% "A 5L
*L8F @DC BHC DHC B5@K <9B G<CK B
I BGD97 ÷98Z5 @8F @DC BH5B; @G
G<5 @69 69HK 99B -\$ "%\$*

5DDFCJ 5@

8F5K B 6M

JOP

7<97?98'6M

CMJ

9B: B99F

AJP

9FB'BI A 69F

02366

85H9

6/09/20

85H9

6-9-20


85H9

6/9/20

85H9

6/09/20

Hk9B: CFA 5HC B 7CBH5B98'B Hk-68F5K-B: 6Hk9
GC @DFC D9F HMC: ; @A CF9J 5@97C I B @GGC H: 9FK @9
G5H98" 5BMF9DFC 8I 7HC B'B D5FHC F'K <C @K #kCI H
Hk9K F#H9B D9FA @GC B C: ; @A CF9J 5@97C '6DFC<6#98"

 9B; B99F-B;

; 9B '&F9, I @5HCF'J 5@9'
DI 6@G<98: @C K '75D57 #H9G

GAP

8K; 'BC

F9J

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G75@

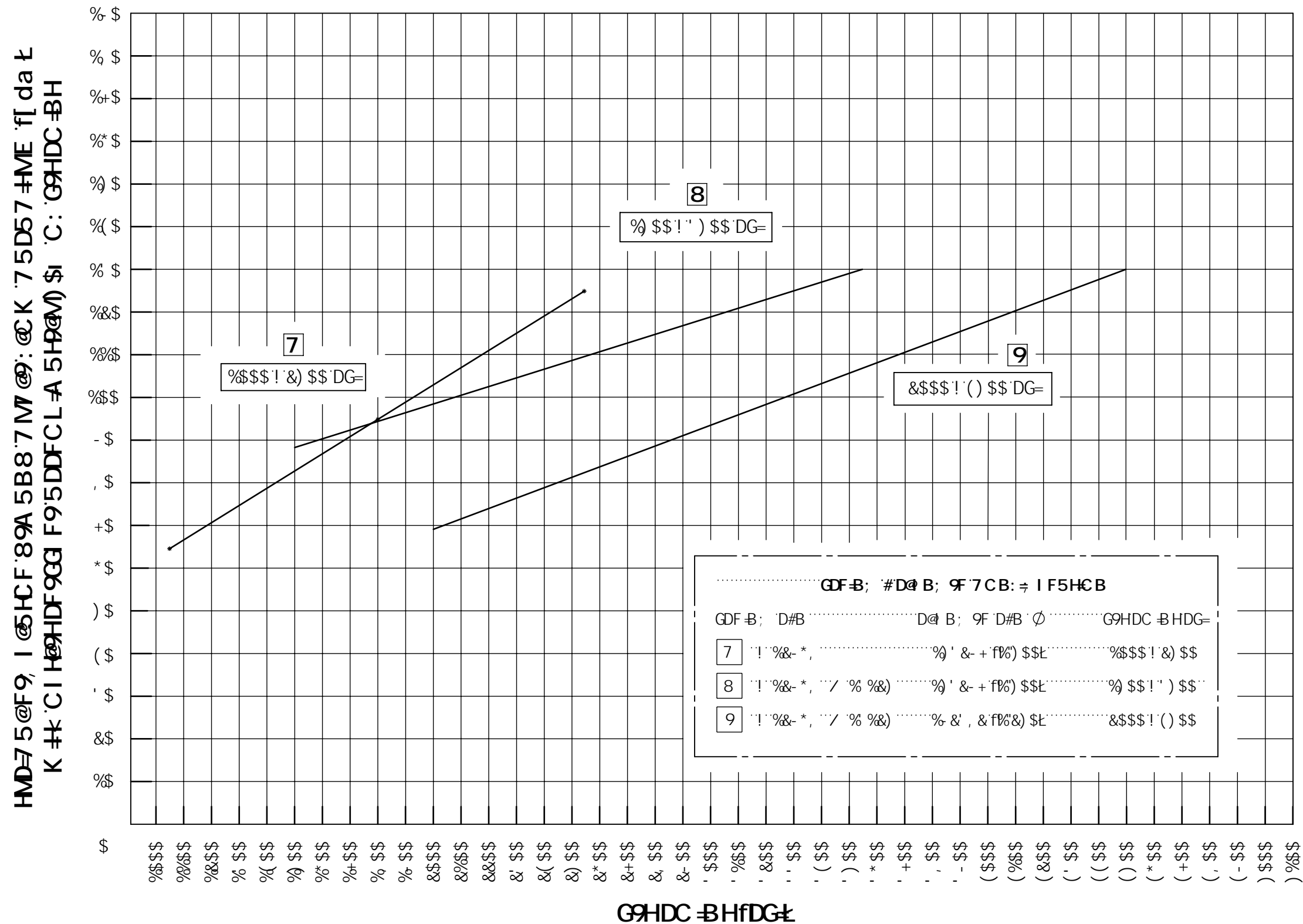
%'

Gc'XK cf_g

G<99H % C: '

(, & %

; 9B `&`DF 9GGI F 9`F 9; I @5HC F : @C K `F5H9G: C F`G9HDC BHF5B; 9!`G=B; @9`B @9H!`) \$\$\$\$`DG=G DD@M



BC H9G
%": @ K '7 5D57 #H9G5F9'±%\$! '5B8'65G98'CB': @ -8'D97 ÷÷÷'; F5J #MC: %"\$
&": @ K '7 5D57 #H9G5F9'5DDFC L A 5H9CM8C I 6@98'K <9B'HK C' B @9HG5F9'DFC J -8 98"
' "'65G98'CB' B @9H5B8'F9; I @5H98'@B9'GA9'C: %B7 <'L<'D'D9'4'('\$: 99H@CB; "
("'57H 5@G9G9A': @ K 'F5H9GA 5MJ 5FM'
) "'7CBGI @HK HK'; @A C F9'9B; -B 99F B; ÷ C D9F 5HB; 'C I H G89'H K 9'@G98'G9HDC BHF 5B; 9"

 Gilmore <small>a pottery company</small>				9B; B99F B;	
G49	8K ; BC				F9J
6			, (\$\$*		5
G7 5@ %'		Gc`JK cf_g		G< 99H & C: '	

