



Product Information Bulletin (PIB)

1" GEN2 Pressure Regulator, Manual Spring

REV	DATE	DESCRIPTION	ORIGIN (issued by)	APPROVED
Rev 001	09/01/20	Document No: 135-090120-001	AP	BR

COMPANY PROPRIETARY INFORMATION

© Proserv Gilmore Valve, LLC and/or its affiliates (Gilmore). All rights reserved. Proserv®, Gilmore™, Gilmore & Design (Stallion) are registered trademarks or trademarks of Gilmore. This notice and the information contained herein is not to be, in whole or in part, reproduced or transmitted in any form by any means without the express permission of Gilmore. **DISCLAIMER:** Whilst Gilmore has carefully reviewed the contents of this notice and believes the information to be correct, Gilmore does not assume any liability in connection with any use of or reliance upon this information and gives no representation or warranty, express or implied, in respect of the information or any products described herein. This notice is intended for use by persons having suitable technical expertise and skill, at their own discretion and risk. Gilmore may change the information contained herein at any time without notice.

For more information:

Call (800) 469-8786
info@gilmore.com

Gilmore
1231 Lumpkin Road
Houston, TX 77043

1" GEN2 Pressure Regulator, Manual Spring

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

Features and Benefits:

- Qualification exceeds API 16D requirements – 10,000 cycles at full flow rates and pressures
- 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
- Vented spring housing for multi-directional drainage
- Performance Data available
- US Patent #10,739,796.

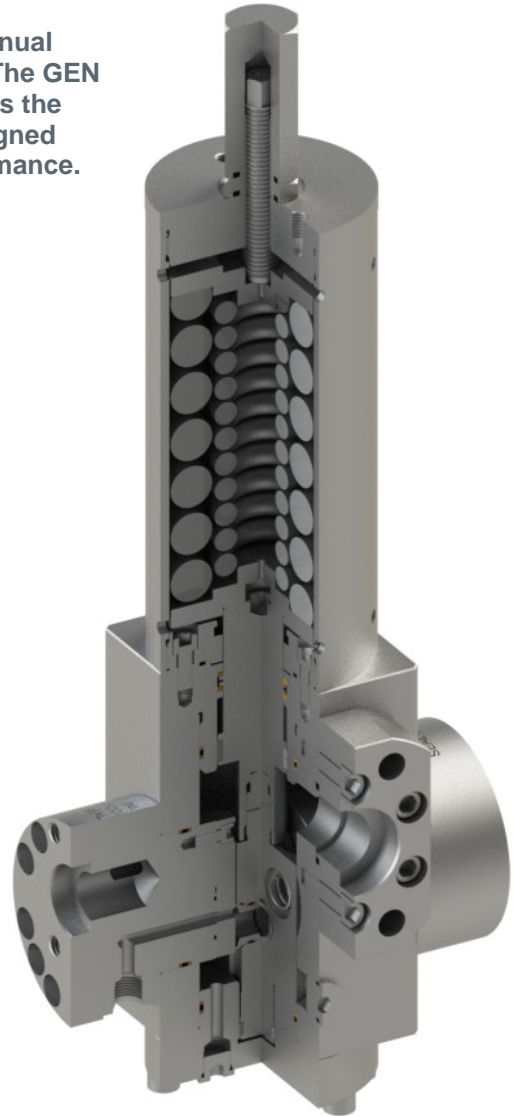


Figure 1. PN 29090: 1" Code 62 GEN 2 Pressure Regulator, Manual Spring,
1-1/2" Outlet, Dual 1" Inlets, 3500 – 1500 psi range

The new Gilmore 1" GEN 2 Manual Spring Regulators are now available for purchase. Gilmore will be creating other drop-in 1" GEN 2 Manual Spring Pressure Regulator configurations as required. The new Gilmore 1" GEN 2 Manual Spring Regulators have identical footprints to their equivalent legacy regulators.

Product Information Bulletin (PIB)

1" GEN2 Pressure Regulator, Manual Spring

Gilmore has exceeded API 16D requirements by qualifying the new 1" GEN 2 Manual Spring Regulator designs to 10,000 cycles, at a starting flow rate of 125 gpm per inlet, at 5000 psi, with 1% - 4% water glycol test fluid. Their qualification report is available by request.

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

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

Table 1. New 1" GEN 2 Pressure Regulators and Legacy Cross-References:

Item	New Valve Description	Legacy PN Reference	New Valve PN	New Repair Kit PN	New Seal Kit PN
1	Valve, Pressure Regulator, GEN 2, Manual Spring, 3500-1500 psi range, Code 62 Ports, Dual Inlets,	28656-1	29090	29090 RK	29090 SK
2	Valve, Pressure Regulator, GEN 2, Manual Spring, 3500-1500 psi range, SAE Ports, Single Inlet	45200-1*	29091	29091 RK	29091 SK
3	Valve, Pressure Regulator, GEN 2, Manual Spring, 3500-1500 psi range, Seal Sub Mounted, Dual Inlets	60174-8* 170953	29093	29093 RK	29093 SK
4	Valve, Pressure Regulator, GEN 2, Manual Spring, 1500-500 psi range, NPT Ports, Single Inlet	44577* ** 44577-16*	29095	29095 RK	29095 SK
5	Valve, Pressure Regulator, GEN 2, Manual Spring, 3500-1500 psi range, NPT Ports, Single Inlet	44577-1* 45200*	29130	29130 RK	29130 SK
6	Valve, Pressure Regulator, GEN 2, Manual Spring, 3500-1500 psi range, Seal Sub Mounted, RH Single Inlet	60175* 164848	29131	29131 RK	29131 SK
7	Valve, Pressure Regulator, GEN 2, Manual Spring, 5500-2500 psi range, NPT Ports, Single Inlet	45100* ** 45101*	29132	29132 RK	29132 SK
8	Valve, Pressure Regulator, GEN 2, Manual Spring, 5500-2500 psi range, SAE Ports, Single Inlet	45101-1*	29133	29133 RK	29133 SK
9	Valve, Pressure Regulator, GEN 2, Manual Spring, 4500-2000 psi range, Code 62 Ports, Dual Inlets	-	29134	29134 RK	29134 SK

*Gage port improvement from NPT to SAE.

**Handle modified to Lock cap. Exact like for like handle can be created as needed

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

1" GEN2 Pressure Regulator, Manual Spring

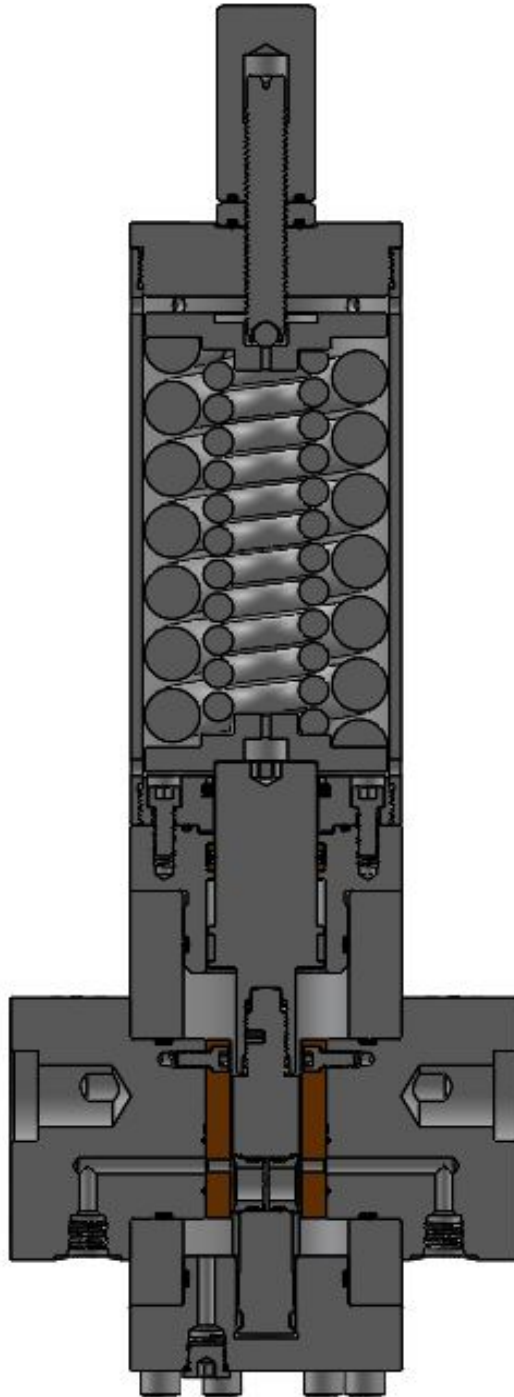


Figure 2. PN 29090: 1" Code 62 GEN 2 Pressure Regulator, Manual Spring, 1-1/2" Outlet, Dual 1" Inlets, 3500 – 1500 psi range

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

6

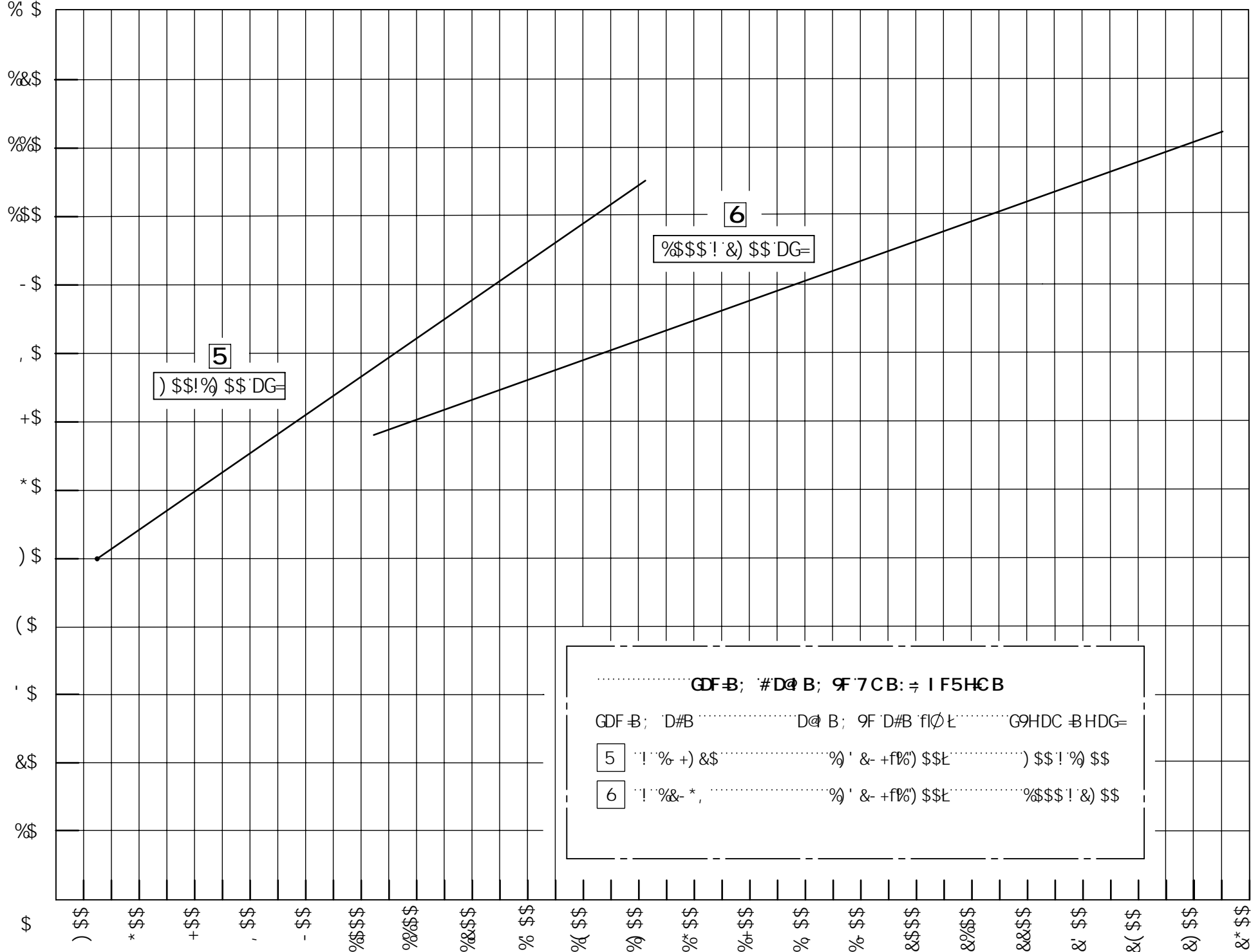
6

5

5

; 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#B D@ 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'HK9'@GH98'G9HDC BHF
.....F5B; 9"

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

85H9

6/09/20

7<97?98'6M

CMcf

85H9

6-9-20

9B: B99F

AJP

85H9

6/9/20


9FB'BI A 69F

02366

85H9

6/09/20

Hk9B: CFA 5HCB 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 @G@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

6

G75@9 %'

8K; 'BC

G@XK cf_g

G<99H % C: '

F9J

5

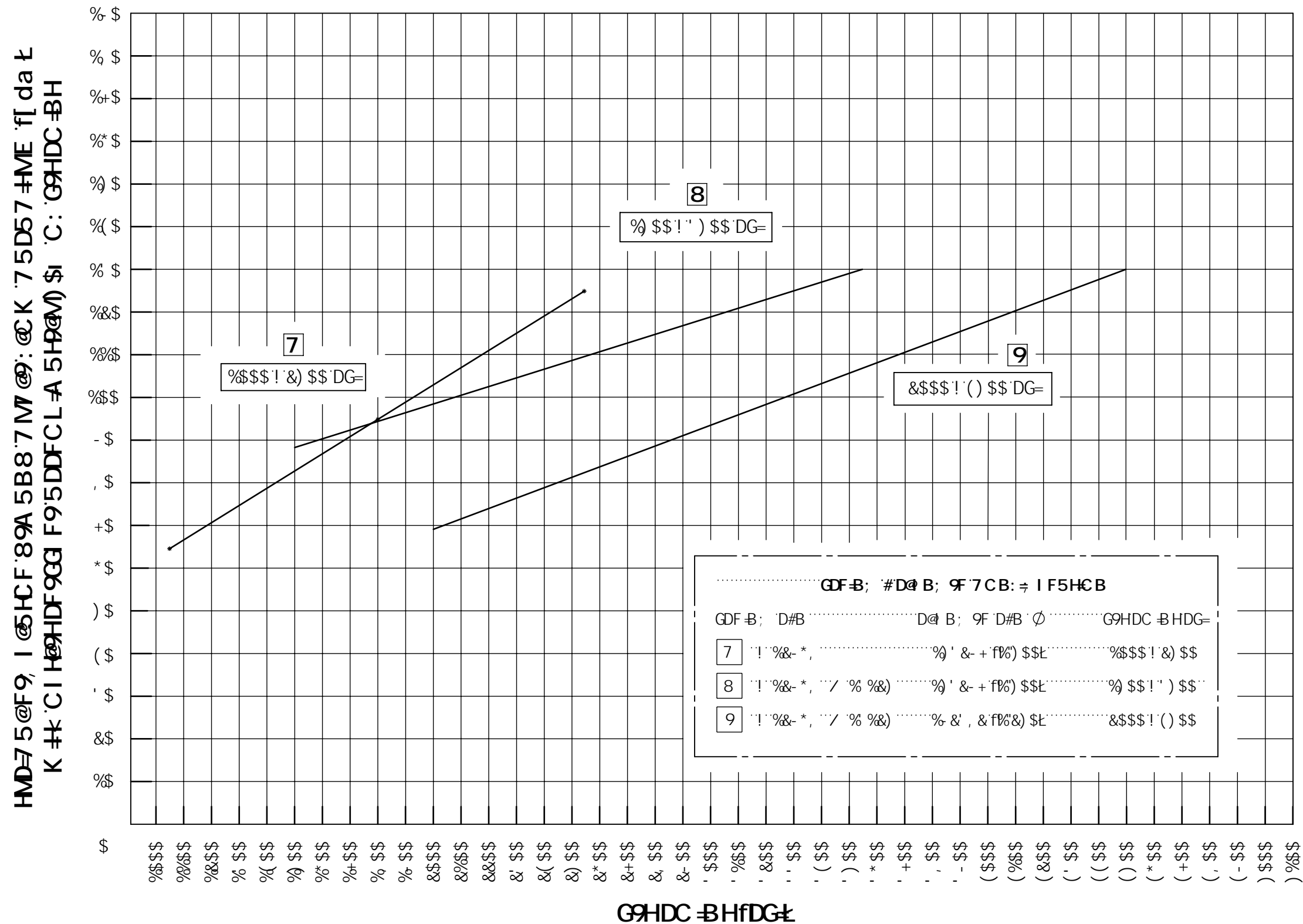
(

,

&

%

; 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 5H9M8C I 6@98'K <9B'K C' B @H9G5F9'DFC J -8 98"
' "'65G98'CB' B @H5B8'F9; I @H98'@B9'GA9'C: %B7 <'L<'D'D9'4'('\$: 99H@CB; "
("'57H 5@GMG9A': @ K 'F5H9GA 5MJ 5FM'
) "'7CBGI @HK'K'; @A C F9'9B; -B 99F-B; ÷÷÷ C'D9F5HB; 'C I H-89'H-9'@G98'G9HDC -BHF5B; 9"

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

6

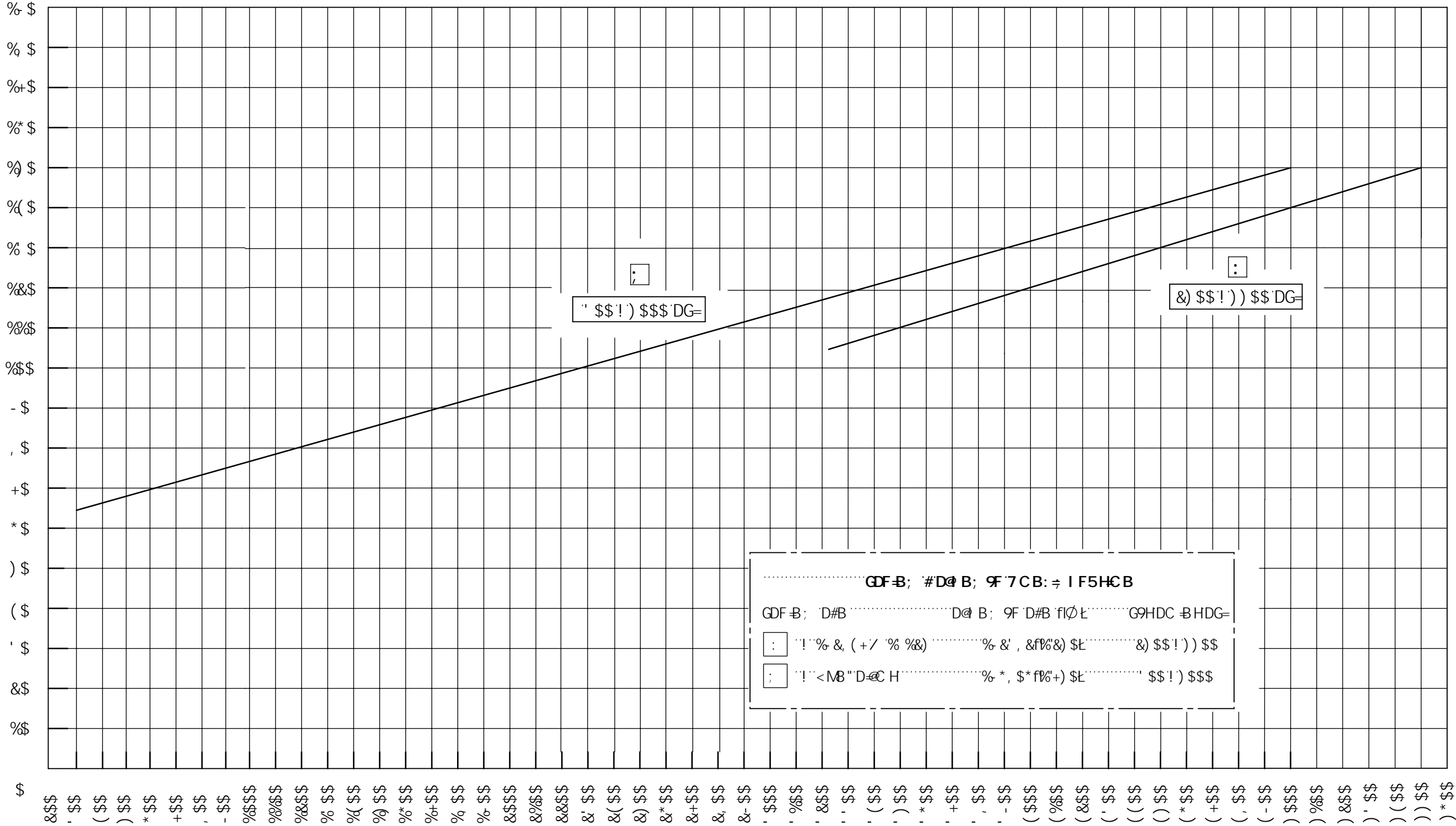
6

5

5


; 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@9HDF9GG F9'5DDFC L #A 5H9@M) \$! 'C: 'G9HDC BHF



G9HDC BHF5B

BC H9G
%": @C K '75D57 #9G'5F9'±%\$! '5B8'65G98'CB': @ -8'GD97 ÷ 7'; F5J #MC: '%\$
&": @C K '75D57 #9G'5F9'5DDFC L #A 5H9@M8CI 6@98'K <9B'HK C 'B@9H'G'5F9'DFC J #98"
' "'65G98'CB' B@9H5B8'F9; I @5H98'@B9'GA9'C: '%B7 < 'L < 'D@9'4' (\$: 99H@C B; "
('"'57H 5@G9H9A : @C K 'F5H9GA 5MJ5FM"
) "'7CBGI @HK #k; @A CF99B; B99F-B; ÷ 'C D9F5HB; 'CI H@89'K9'@G98'G9HDC BHF5B; 9"



9B; B99F-B;

G99	8K; 'BC	F9J
6	(\$\$*	5
G75@	%'	G<99H ' C: '