



1" GEN2 Pressure Regulator, Hydraulic Pilot

REV	DATE	DESCRIPTION	ORIGIN (issued by)	APPROVED
Rev 001	8/17/20	Document No: 135-081720-001	AP	BR

COMPANY PROPRIETARY INFORMATION

Gilmore Technologies, LLC and/or its affiliates (Gilmore). All rights reserved. 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 (713) 468 8778
info@gilmore.com

Gilmore
1231 Lumpkin Road
Houston, TX 77043

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.

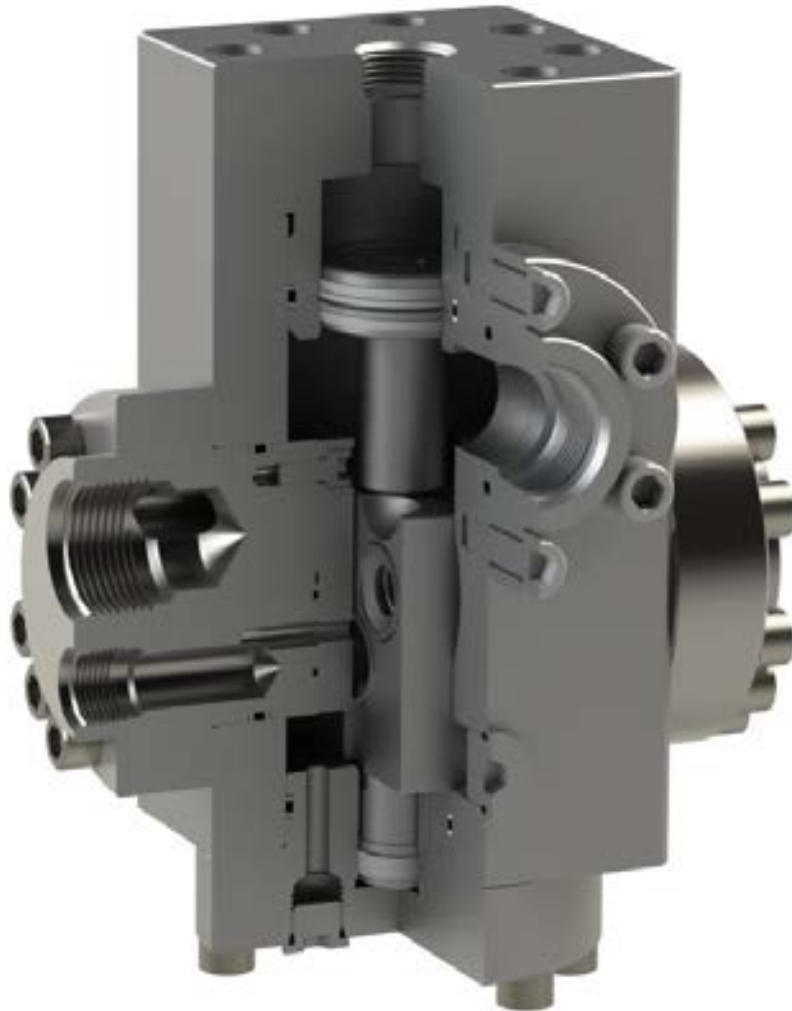


Figure 1. PN 29119: 1" GEN 2 Pressure Regulator, Hydraulic Pilot, Single Inlet, SAE Ports, 5000 – 300 psi range

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

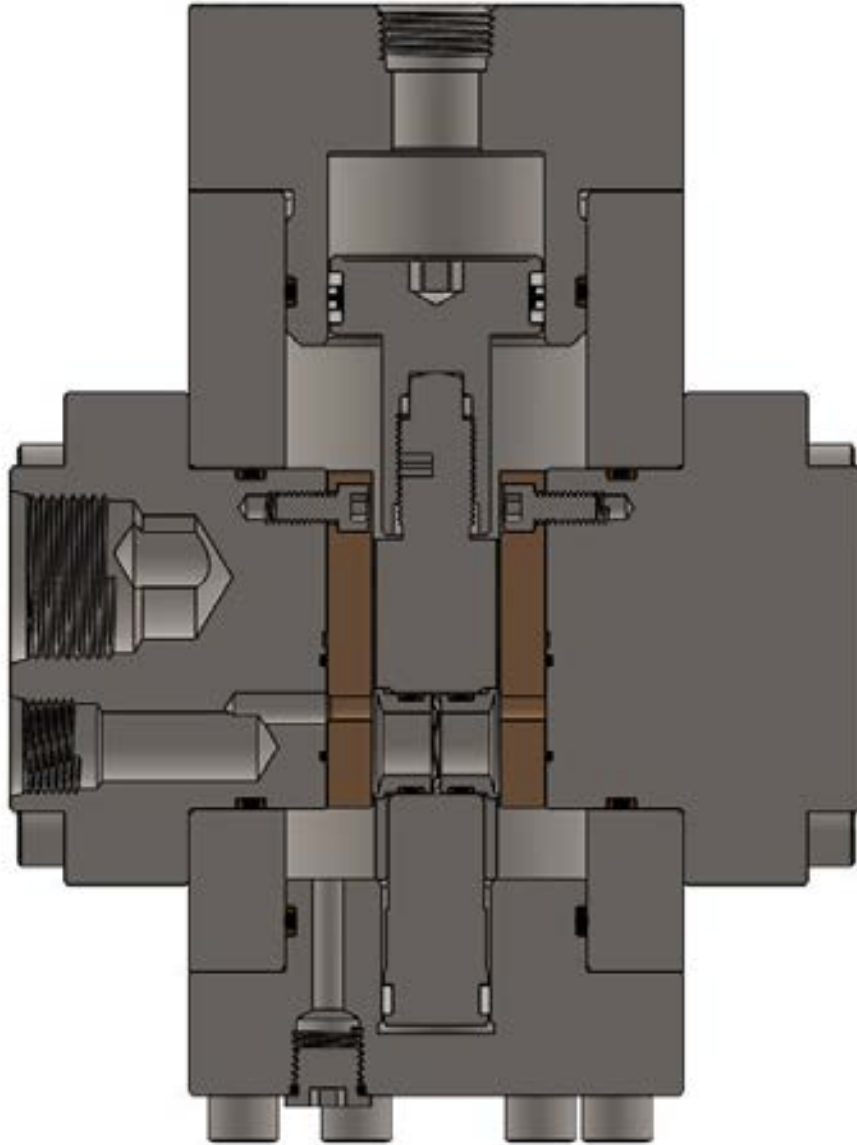


Figure 2. PN 29119 Cutaway: 1" GEN 2 Pressure Regulator, Hydraulic Pilot, Single Inlet, SAE Ports, 5000 – 300 psi range

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.



Product Information Bulletin (PIB)

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

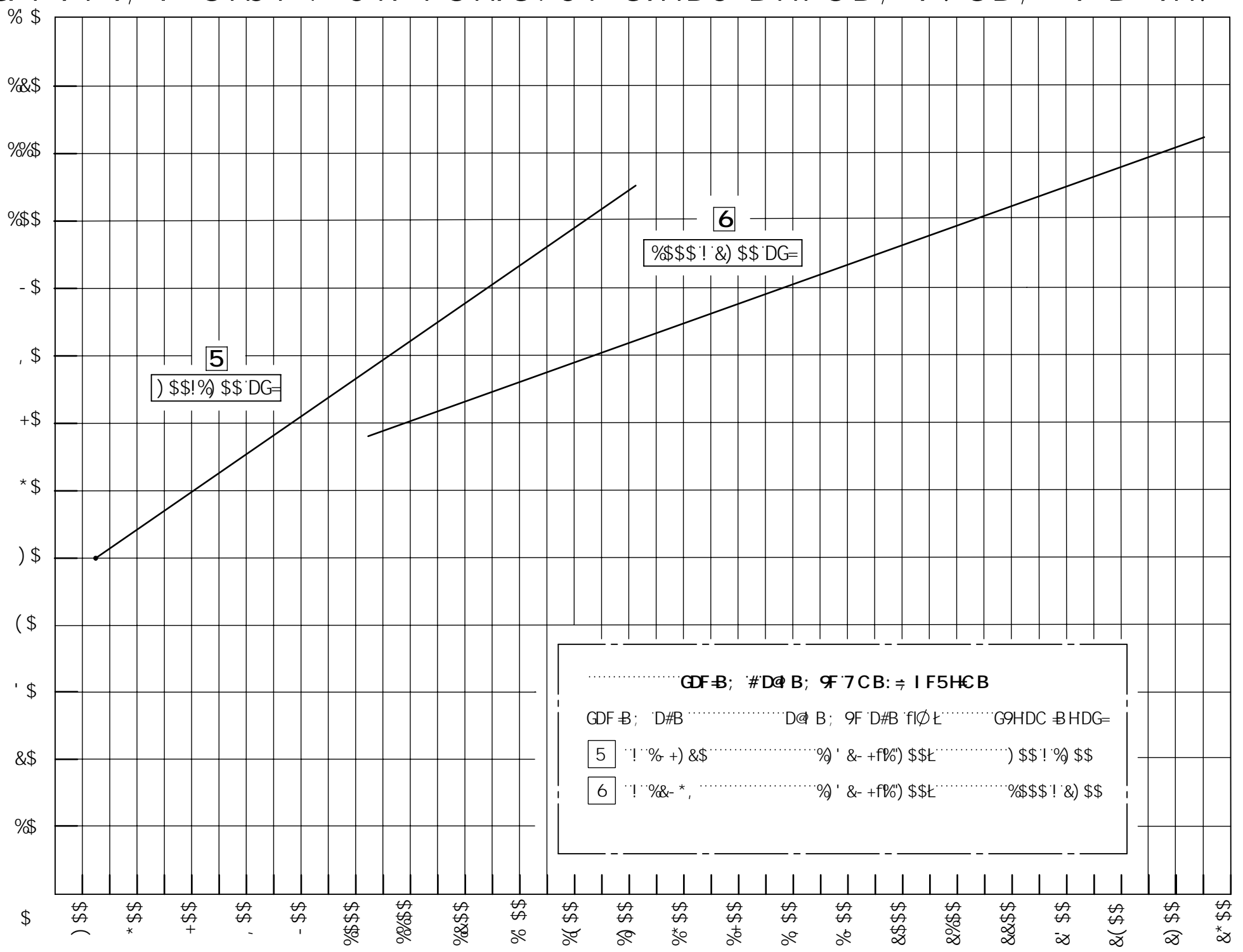
**Vent port increased from 3/8" SAE to 1/2" SAE. Exact like for like porting can be created as needed

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.

9B & DF 9GGI F9 F9; I @5 HC F : @ C K F5 H9G: C F G9HDC BHF5B; 9! GB; @9 B @9H! \$\$\$ DG=GI DD@M

HMD75@F9, I @5HCF 89A 5B8 7M @9: @CK 75D57 HME f[da t
K #K CI H@HDF 9GG F9 5DDFCL A 5H@M) \$i C: G9HDC BH



6

6

5

5

BC H9G
%": @K 75D57 H9G5F9 ±%\$! 5B8 65G98 CB: @ B GD97 ÷ 7; F5J HMC: %"\$
&": @K 75D57 H9G5F9 5DDFCL A 5H@M8CI 6@98 K <9B HK C B @HG5F9DFCJ 898"
! " " 65G98 CB B @H5B8 F9; I @5H98 @B9GA9C: %B7 <L <D@94 ((\$: 99H@B; "
(" 57H 5@GM@PA : @CK F5H9GA 5MJ 5FM"
) " 7CBG @HK #K; @A CF99B; B99F B; ÷ C D9F5HB; CI HG89HK9 @GH8 G9HDC BH
" " F5B; 9"

G9HDC BHFDG

F9J GCBG				
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@	8 A 9BGC BG5B8 HC @F5B7 9G5F9 B B7 <9GD9F 5GA 9M() A 1% - (" I B @GGC H: 9FK @9 GD97 ÷ 98. %LH @F5B7 9G "L: ±% "LL: ±\$% "LLL: ±\$\$) 5B; @G ±") * & G F: 57 9H@H F9. ** ✓	5DDFCJ 5@	85H9 6/09/20
7CB8 HCB.	"L: ±% "LL: ±\$% "LLL: ±\$\$) 5B; @G ±") * & G F: 57 9H@H F9. ** ✓	85H9 6-9-20	85H9 6/9/20
HF95HA 9BH	"L: ±% "LL: ±\$% "LLL: ±\$\$) 5B; @G ±") * & G F: 57 9H@H F9. ** ✓	85H9 6/09/20	85H9 6/09/20
DFC 798I F9BI A 69F.	"L: ±% "LL: ±\$% "LLL: ±\$\$) 5B; @G ±") * & G F: 57 9H@H F9. ** ✓	85H9 6/09/20	85H9 6/09/20

9B; B99F B;

9B & F9, I @5HCF J 5@ 9
DI 6@G < 98: @CK 75D57 H9G

GAP 8K: BC F9J

6 (\$\$* 5

G7 5@ %' Gc JK cf_g G<99H % C: '

