

1" & 1-1/2" GEN2 Check Valve Product Line

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REV 002	9/06/22	Document No: 100-063021-002	AP	BR
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COMPANY PROPRIETARY INFORMATION

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Gilmore 1231 Lumpkin Road Houston, TX 77043



1" & 1-1/2" GEN2 Check Valve Product Line

Gilmore announces the new GEN2 Check Valve product line for critical offshore and subsea applications. The 1" & 1-1/2" GEN2 Check Valves have been redesigned with significant improvements, within the same cavity & footprint as the legacy Check Valve, allowing direct replacement inline or within existing Gilmore Check Valve Cartridge manifolds. Gilmore's proprietary valve technology provides an order of magnitude improvement in cycle life.

Features and Benefits:

- Qualification exceeds API 16D requirements
 - Two valves, 2500 cycles each
- Multiple cracking pressure options
- Improved Seat design
- Bolted Cover design
- Damped SealSleeve
- Improved valve materials:
 - o A286 Gr 660 SHCS
 - o 17-4 (H1150D) Body
 - o Inconel X-750 Spring
 - Nitronic 60 Seal Sleeve and Cage
 - o Nitronic 60 Piston Rod
 - o PEEK Back Up rings
 - HNBR Soft Seals
 - o Delrin 511P Seats

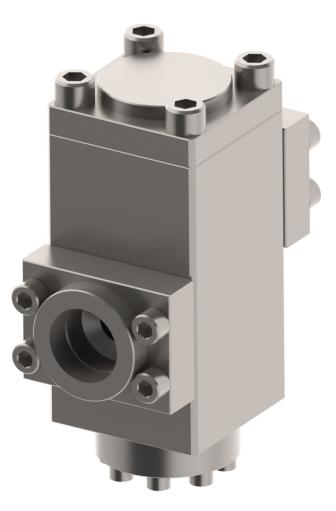


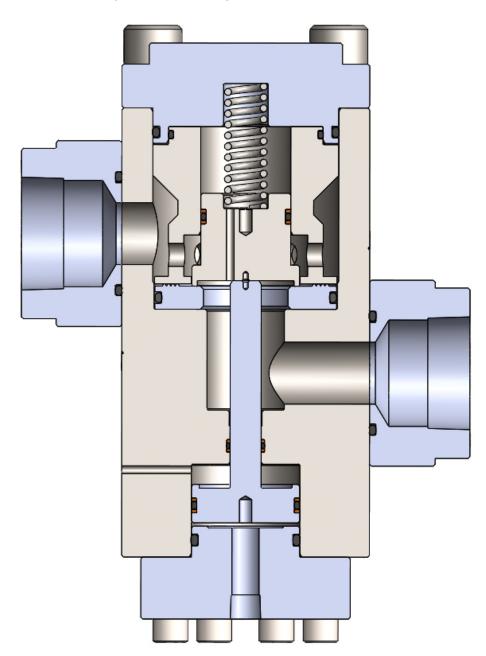
Figure 1. PN 29153: GEN2 Check valve, Pilot Operated, Externally Vented Piston, 1-1/2 NPT, 5 ksi MAWP



1" & 1-1/2" GEN2 Check Valve Product Line

Figure 2.

PN 29153: GEN2 Check Valve, Pilot Operated, Externally Vented Piston, 1-1/2 NPT, 5 ksi MAWP





1" & 1-1/2" GEN2 Check Valve Product Line

Gilmore has exceeded API 16D requirements by qualifying the new Gilmore 1" and 1-1/2" GEN2 Check Valves to 2,500 cycles, with a 1" flow rate of 200 gpm and 1-1/2" flow rate of 300 gpm, at 5000 psi inlet with 1% - 4% water glycol test fluid.

The new 1" & 1-1/2" GEN2 Check Cartridge and Valve have the identical cavity and valve footprint dimensions as the legacy Check Valves, allowing drop-in replacement.

Gilmore will continue to sell and support the legacy 1" and 1-1/2" Check Valves with new valve sales, repair kits, seal kits and Aftermarket support.

The new 1" & 1-1/2" GEN2 Check Cartridge and Valve listed below are now available as drop-in replacements for the legacy 1" & 1-1/2" Check Cartridge and Valve:

ltem	Legacy Description	Legacy Valve PN	Legacy Repair Kit PN	GEN2 Description	New Valve PN	New Repair Kit PN
1	Valve, 1" Check, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" NPT Ports, 1/4" NPT Pilot	25100	25100 RK	Valve, 1" Check, GEN2, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" NPT Ports, 1/4" NPT Pilot	29142	29142 RK
2	Valve, 1" Check, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" SAE Ports, 3/8" SAE Pilot	25145 28493	25145 RK 28493 RK	Valve, 1" Check, GEN2, Piloted, Internal Vent, Standard Cracking, 5 ksi Inlet, 1" SAE, 3/8" SAE Pilot	29146	29146 RK
3	Valve, 1" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports	27232-4	27232-4 RK	Valve, 1" Check, GEN2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports (Legacy Body Dimensions)	29173	29173 RK
4	Valve, 1" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports	27232-3	27232-3 RK	Valve, 1" Check, GEN2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports (Legacy Body Dimensions)	29185	29185 RK
5	Valve, 1" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE Ports	27232-2	27232-2 RK	Valve, 1" Check, GEN2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE (Legacy Body Dimensions)	29174	29174 RK
6	Cartridge, 1" Check, Standard Cracking, 5 ksi Inlet	27162	27162 RK	Cartridge, 1" Check, GEN2 Standard Cracking, 5 ksi Inlet (Legacy Bolting Pattern)	29179	29179 RK

Table 1. New and Legacy 1" Check Valve and Cartridge Part Number Cross Reference:



1" & 1-1/2" GEN2 Check Valve Product Line

Table 2. New and Legacy 1-1/2" Check Valve and Cartridge Part Number Cross Reference:

Item	Legacy Description	Legacy Valve PN	Legacy Repair Kit PN	GEN2 Description	New Valve PN	New Repair Kit PN
7	Double Valve, 1-1/2" Check, Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" SW ports, 1/4" NPT Pilot	25155-0.2	25155-0.2 RK	Double Valve, 1-1/2" Check, GEN2, Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" SW Ports, 1/4" NPT Pilot	29158	29158 RK
8	Double Valve, 1-1/2" Check, Non- Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	28608	28608 RK	Double Valve, 1-1/2" Check, GEN2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	29157	29157 RK
9	Valve, 1-1/2" Check, Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" NPT Ports, 1/4" NPT Pilot	28485	28485 RK	Valve, 1-1/2" Check, GEN2, Piloted, Externally Vented, Low Cracking, 5ksi Inlet, 1-1/2" NPT Ports, 1/4" NPT Pilot	29153	29153 RK
10	Valve, 1-1/2" Check, Non-Piloted, 5 ksi Inlet, 2" Code 62 Ports	28260	28260 RK	Valve, 1-1/2" Check, GEN2, Non- Piloted, Standard Cracking, 5 ksil nlet, 2" Code 62 Ports	29147	29147 RK
11	Valve, 1-1/2" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1- 1/2" NPT Ports	27235-1	27235-1 RK	Valve, 1-1/2" Check, GEN2, Non- Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" NPT Ports (Legacy Body Dimensions)	29170	29170 RK
12	Valve, 1-1/2" Check, Non-Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	27235-3	27235-3 RK	Valve, 1-1/2" Check, GEN2, Non- Piloted, Low Cracking Pressure, 5 ksi Inlet, 1-1/2" Code 62 Ports (Legacy Body Dimensions)	29171	29171 RK
13	Valve, 1-1/2" Check, Non-Piloted, Standard Cracking, 5 ksi Inlet, 2" Code 62 Ports, Offset Spool	28521	28526 RK	Valve, 1-1/2" Check, GEN2, Non- Piloted, Standard Cracking, 5 ksi Inlet, 2" Code 62 Ports, Offset Spool	29154	29154 RK
14	Cartridge, 1-1/2" Check, Low Cracking, 5 ksi Inlet	25120-0.2 209012	25120-0.2 RK 209012 RK	Cartridge, 1-1/2" Check, GEN2, Low Cracking, 5 ksi Inlet (Legacy Bolt Pattern)	29172	29172 RK

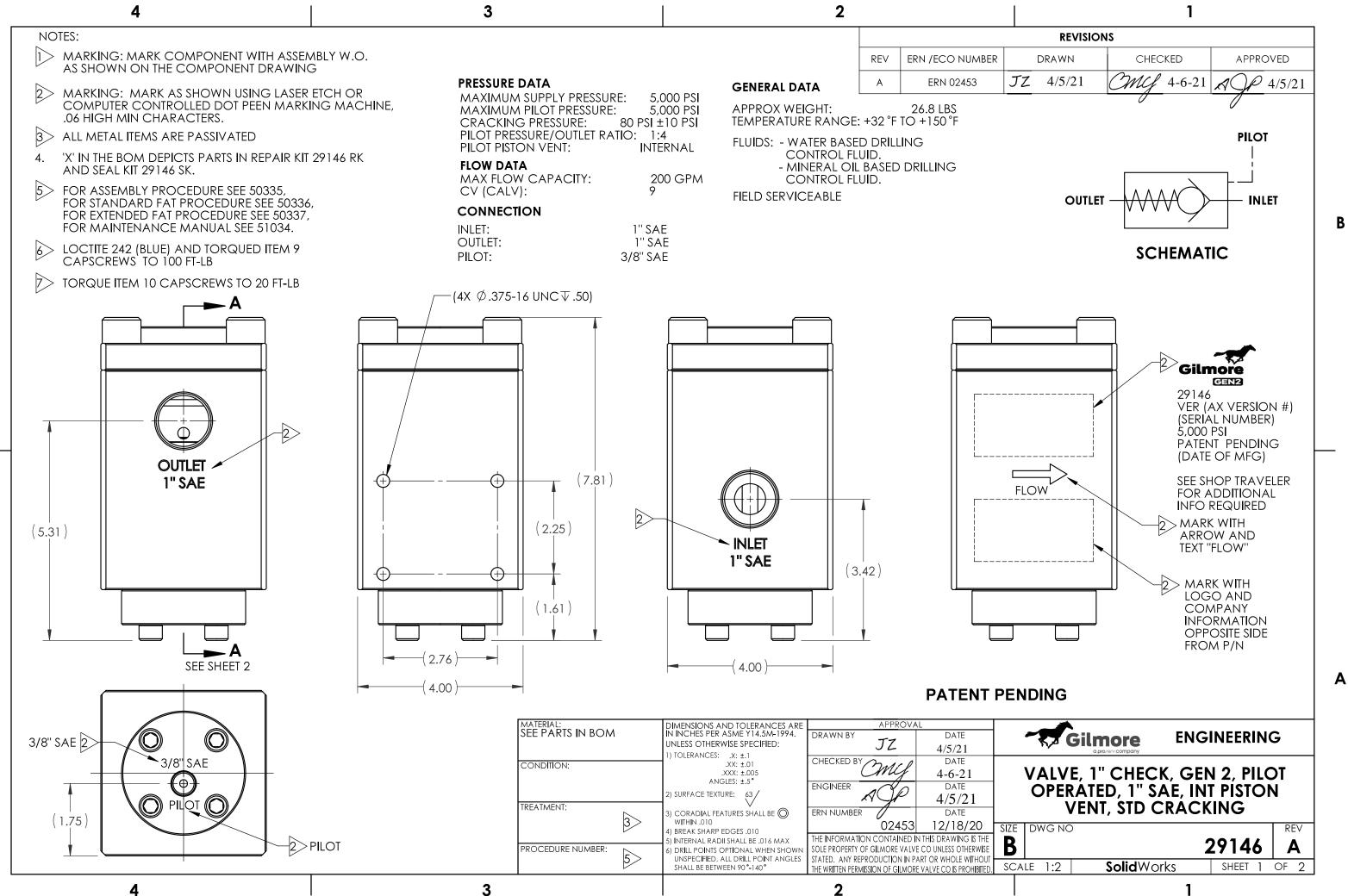


1" & 1-1/2" GEN 2 Check Valve Product Line

Please note that GEN2 Check valve and GEN2 Pilot Operated Check Valve kits <u>are not</u> interchangeable with legacy repair kits and seal kits and cannot be used in legacy check valves. Please contact Gilmore Customer Service to assist you with drawings and quotations when selecting a GEN2 check valve replacement part number, Sales@gilmore.com.

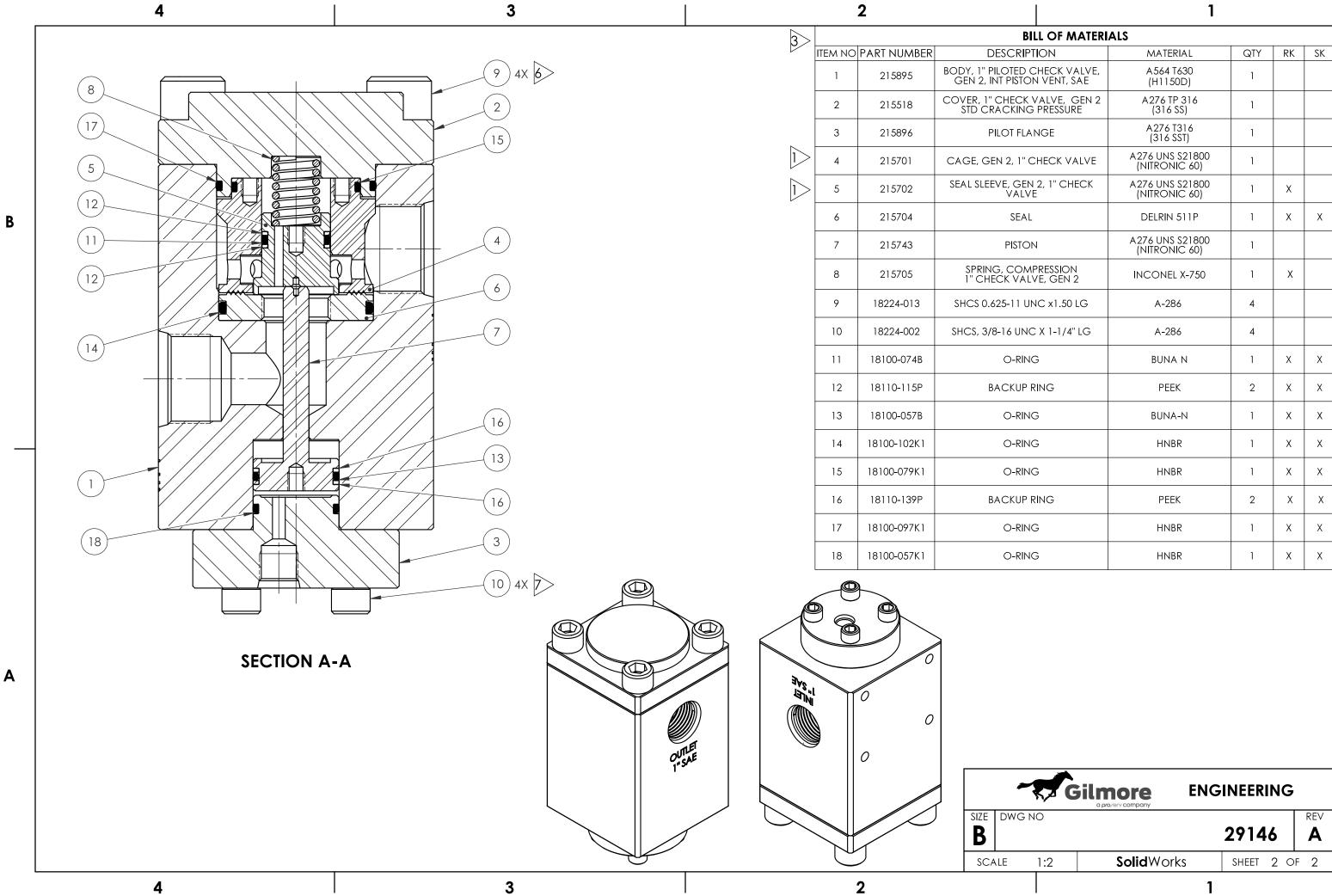
Table 3. Further	GEN2 Part	Numbers w	vith additional	standardization	and features:
		ITUINOUS II	min additional	Standardization	and reatheres.

Item	Additional GEN2 Description	Additional GEN2 Valve PN	Additional GEN2 Repair Kit PN	Comment
15	Valve, 1" Check, GEN2, Piloted, External Vent, Standard Cracking, 5 ksi Inlet, 1" SAE Ports, 3/8 SAE Pilot "	29175	29175 RK	Same as GEN2 PN 29142 except externally vented
16	Valve, 1" Check, GEN2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" NPT Ports	29140	29140 RK	Same as GEN2 PN 29173 except weight reduced
17	Valve, 1" Check, GEN2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1" SAE Ports	29186	29186 RK	Same as GEN2 PN 29185 except weight reduced
18	Valve, 1" Check, GEN2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1" SAE Ports	29145	29145 RK	Same as GEN2 PN 29174 except weight reduced
19	Valve, 1-1/2" Check, GEN2, Non-Piloted, Low Cracking, 5 ksi Inlet, 1-1/2" Code 62 Ports	29152	29152 RK	Same as GEN2 PN 29171 except weight reduced
20	Valve, 1-1/2" Check, GEN2, Non-Piloted, Standard Cracking, 5 ksi Inlet, 1-1/2" NPT Ports	29151	29151RK	Same as GEN2 PN 29170 except weight reduced

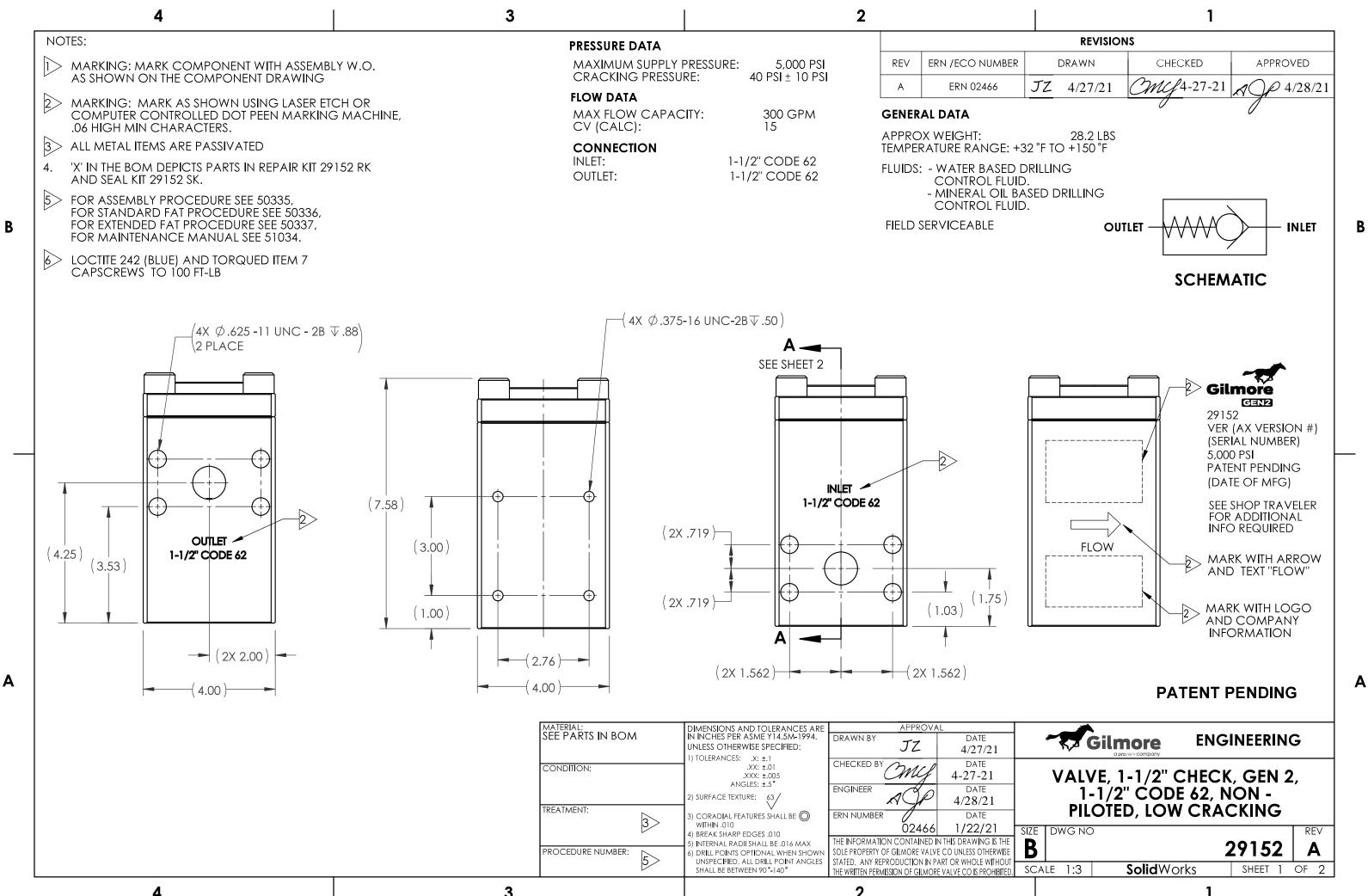


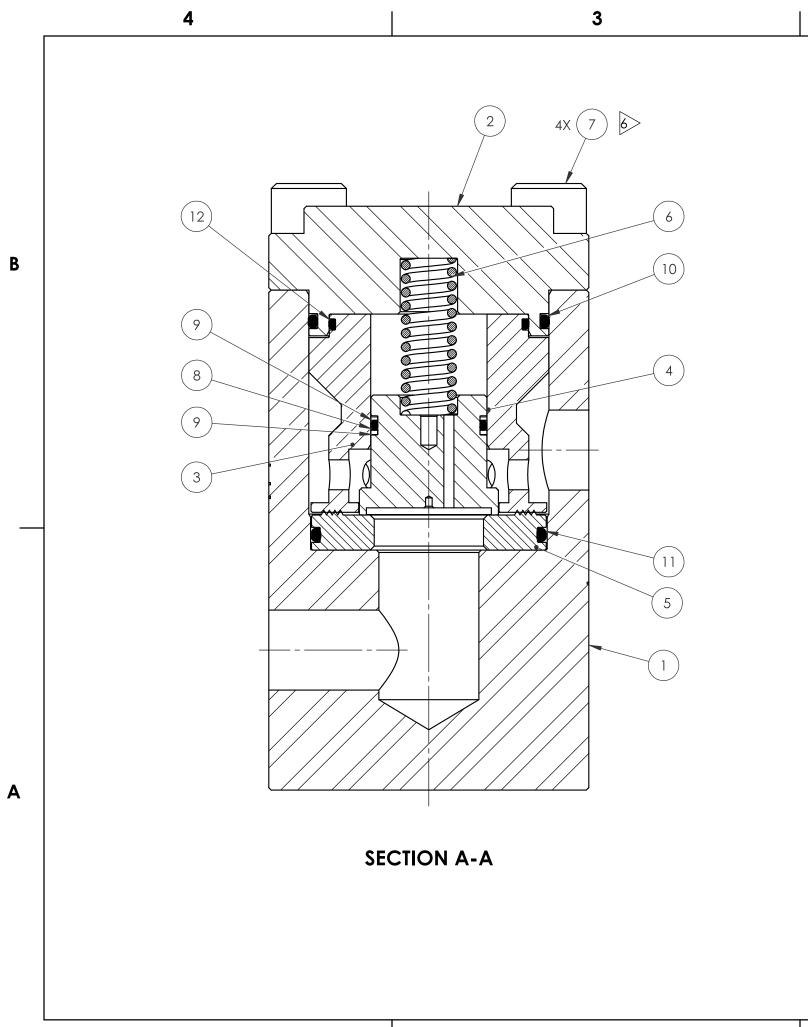
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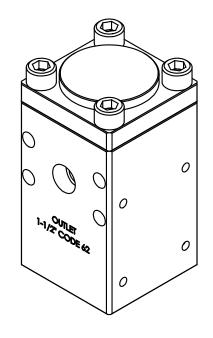


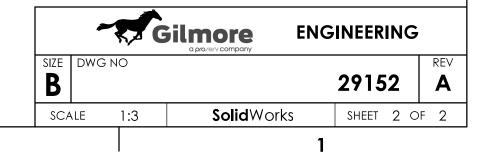
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BILL OF MATERI	ALS			
CRIPTION	MATERIAL	QTY	RK	SK
TED CHECK VALVE, ISTON VENT, SAE	A 564 T630 (H1150D)	1		
ECK VALVE, GEN 2 KING PRESSURE	A276 TP 316 (316 SS)	1		
T FLANGE	A276 T316 (316 SST)	1		
, 1" CHECK VALVE	A276 UNS S21800 (NITRONIC 60)	1		
GEN 2, 1" CHECK /ALVE	A276 UNS S21800 (NITRONIC 60)	1	x	
SEAL	DELRIN 511P	1	Х	Х
Iston	A276 UNS S21800 (NITRONIC 60)	1		
Compression Valve, gen 2	INCONEL X-750	1	х	
11 UNC x1.50 LG	A-286	4		
0 UNC X 1-1/4" LG	A-286	4		
P-RING	BUNA N	1	X	Х
KUP RING	PEEK	2	x	Х
-RING	BUNA-N	1	x	Х
P-RING	HNBR	1	x	Х
P-RING	HNBR	1	х	Х
KUP RING	PEEK	2	х	Х
P-RING	HNBR	1	х	Х
-RING	HNBR	1	х	Х

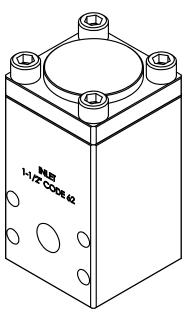


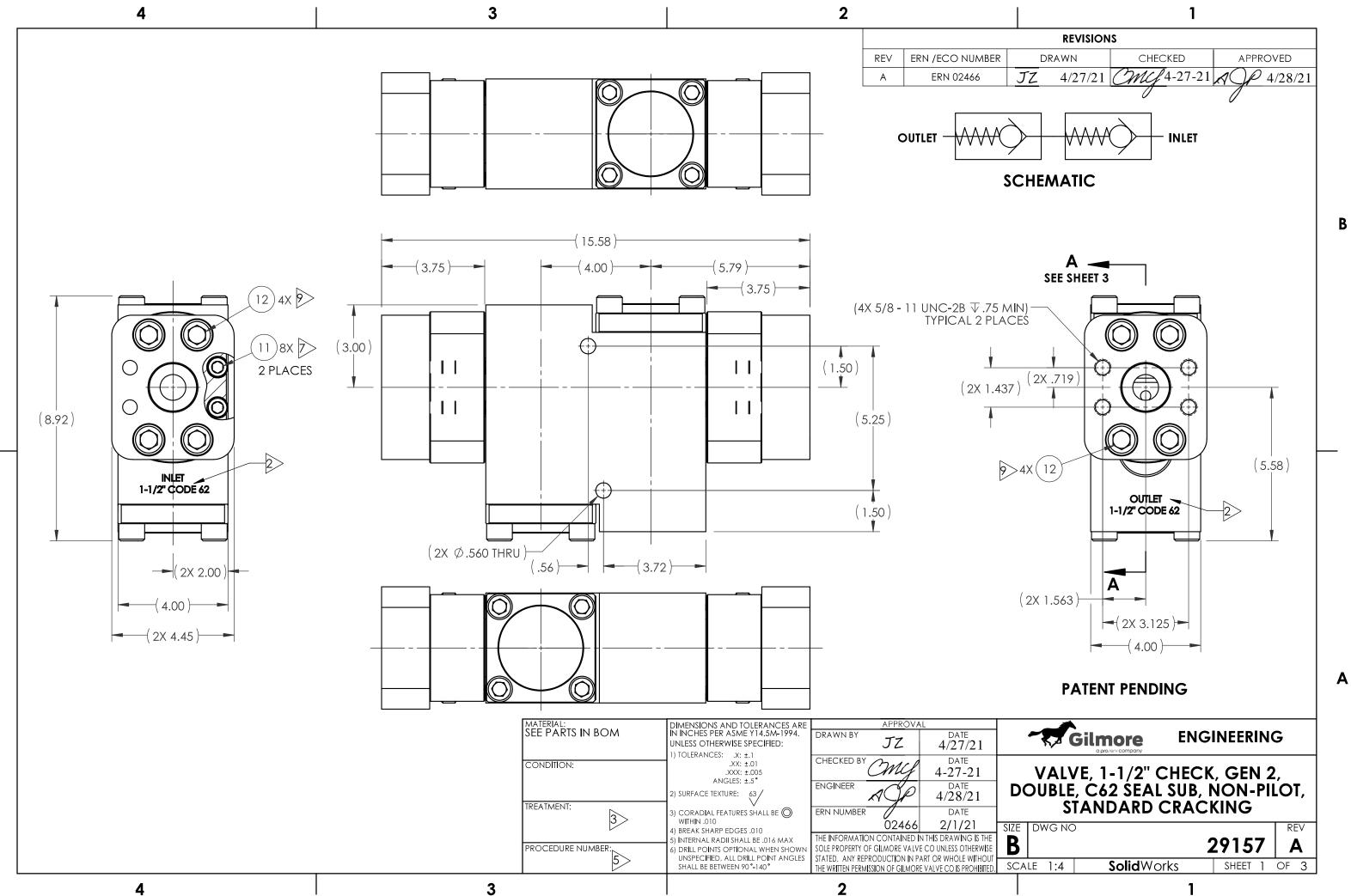


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3>	BILL OF MATERIALS							
	ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	QTY	RK	SK	
	1	216716	BODY, 1-1/2" CHECK VALVE, GEN 2, 1-1/2" CODE 62, NON - PILOT	A 564 T630 (H1150D)	1			
	2	216722	COVER, 1-1/2" CHECK VALVE, GEN 2, LOW CRACKING PRESSURE	A276 TP 316 (316 SS)	1			
1>	3	216192	CAGE, 1-1/2" CHECK VALVE, GEN 2	A 276 UNS S21800 (NITRONIC 60)	1			
l	4	216194	SEAL SLEEVE, 1-1/2" CHECK VALVE, GEN 2	A 276 UNS S21800 (NITRONIC 60)	1	х		
	5	216193	SEAL	DELRIN 511P	1	х	х	
	6	COMPRESSED TO 1.96	SPRING, COMPRESSION	INCONEL X-750	1	Х		
	7	18224-013	SHCS 0.625-11 UNC x1.50 LG	A-286	4			
	8	18100-070B	O-RING	BUNA-N	1	х	х	
	9	18110-138P	BACKUP RING	PEEK	2	Х	х	
	10	18100-115K1	O-RING	HNBR	1	х	х	
	11	18100-155K1	O-RING	HNBR	1	х	х	
	12	18100-061K1	O-RING	HNBR	1	Х	х	









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- $\left|\right\rangle$ MARKING: MARK COMPONENT WITH ASSEMBLY W.O. AS SHOWN ON THE COMPONENT DRAWING
- 2 MARKING: MARK AS SHOWN USING LASER ETCH OR COMPUTER CONTROLLED DOT PEEN MARKING MACHINE. .06 HIGH MIN CHARACTERS.
- 3> ALL METAL ITEMS ARE PASSIVATED
- 'X' IN THE BOM DEPICTS PARTS IN REPAIR KIT 29157 RK 4. AND SEAL KIT 29157 SK.
- 5> FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR EXTENDED FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034.
- 6> LOCTITE 242 (BLUE) AND TORQUED ITEM 10 CAPSCREWS TO 100 FT-LB
- 7 TORQUED ITEM 11 CAPSCREWS TO 20 FT-LB
- 8> TORQUED ITEM 7 HEX PLUG TO 100 FT-LB
- 9> TORQUED ITEM 12 CAPSCREWS TO 100 FT-LB

PRESSURE DATA

MAXIMUM PRESSURE 5,000 PSI CRACKING PRESSURE 80 ± 10 PSI

FLOW DATA

MAX FLOW CAPACITY: CV (CALC):

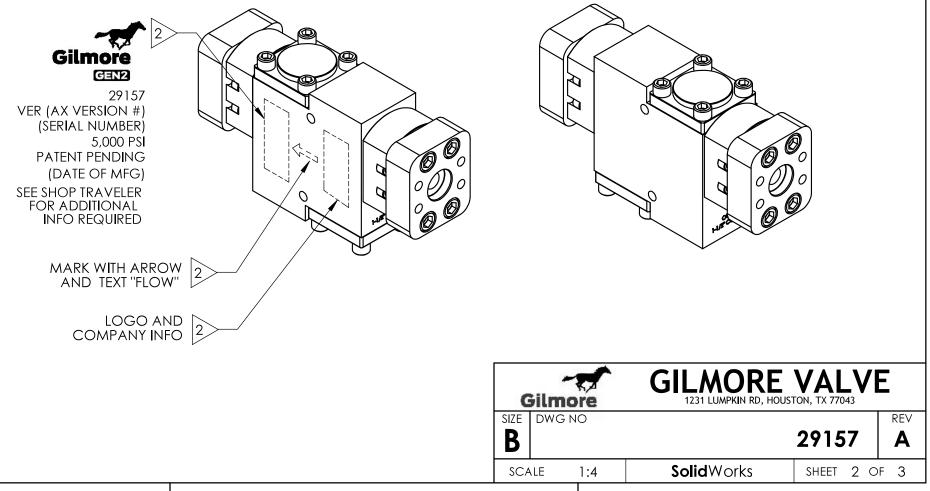
FLUIDS: 1.) WATER BASED DRILLING CONTROL FLUID. 2.) MINERAL OIL BASED DRILLING CONTROL FLUID.

PORTS

INLET: 1-1/2" CODE 62 SEAL SUB OUTLET: 1-1/2" CODE 62 SEAL SUB

GENERAL DATA

APPROX WEIGHT: 101 LBS TEMPERATURE RANGE: 32 °F TO 200 °F FIELD SERVICEABLE



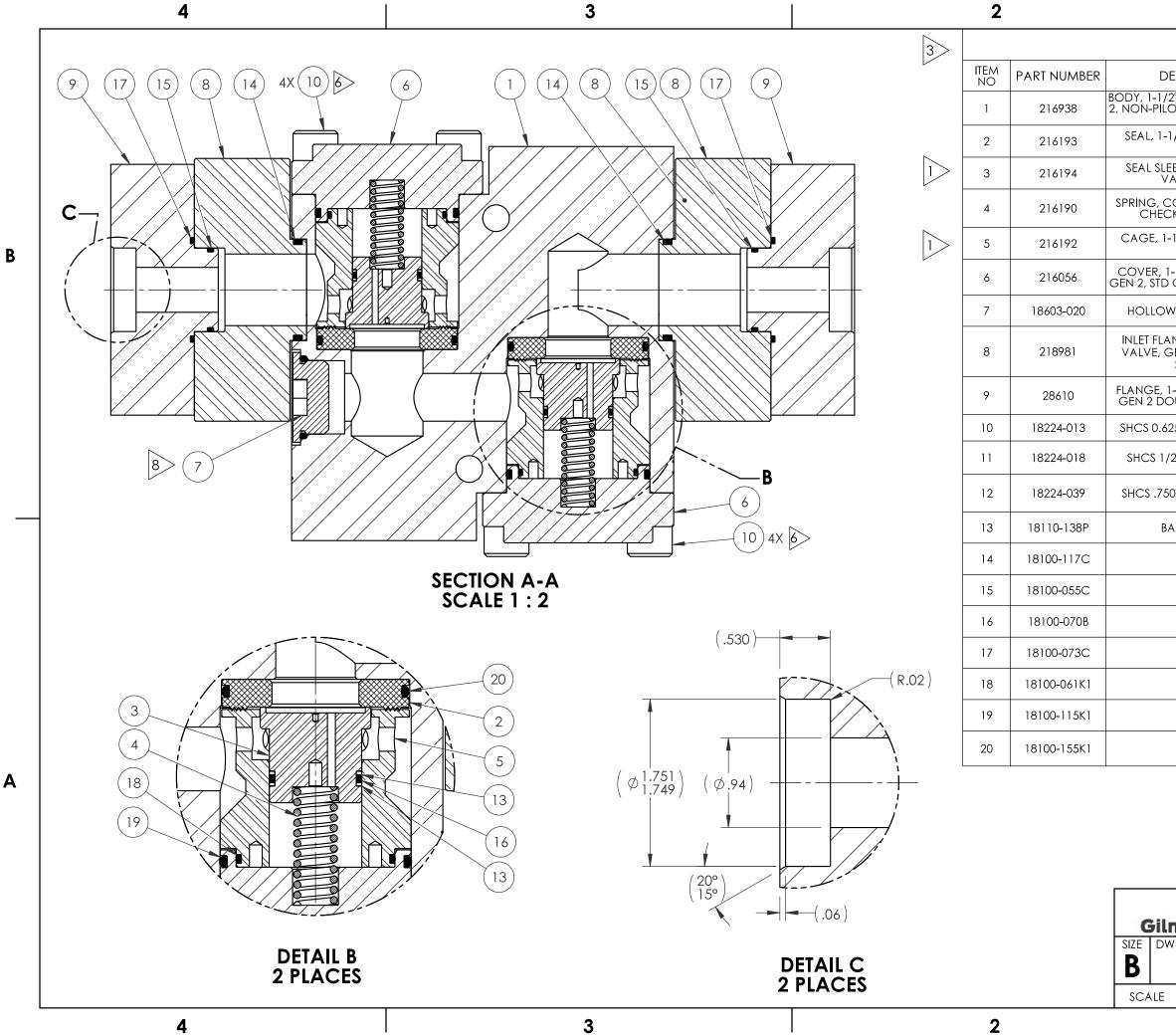
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300GPM

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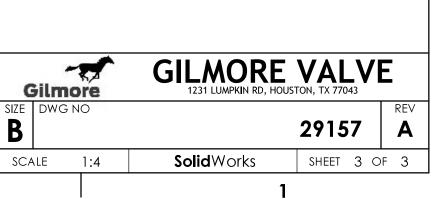
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BILL OF MATERIALS										
escription	MATERIAL	QTY	RK	SK						
2" CHECK VALVE, GEN DT, DOUBLE, C62 SEAL SUB	A 564 TP 630 (17-4PH)	1								
1/2" CHECK VALVE, GEN 2	DELRIN 511P	2	Х	Х						
EVE, 1-1/2" CHECK ALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	2	Х							
COMPRESSION, 1-1/2'' CK VALVE, GEN 2	INCONEL X-750	2	Х							
-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	2								
-1/2" CHECK VALVE, CRACKING PRESSURE	A276 TP 316 (316 SS)	2								
V HEX PLUG, 1-1/4"	A240 TP 316	1								
NGE, 1-1/2" CHECK Sen 2, DOUBLE, C62 SEAL SUB	A276 TP 316 (316L)	2								
-1/2" CHECK VALVE, DUBLE, C62 SEAL SUB	A276 UNS S21800 (NITRONIC 60)	2								
25-11 UNC x1.5 0 LG	A-286	8								
2-13 UNC x1.75 LG	A-286	8								
0-10 UNC x 2.00 LG.	A-286	8								
ACKUP RING	PEEK	4	Х	Х						
O-RING	BUNA-N	2	Х	Х						
O-RING	BUNA-N	2	Х	Х						
O-RING	BUNA-N	2	Х	Х						
O-RING	BUNA-N	2	Х	Х						
O-RING	HNBR	2	Х	Х						
O-RING	HNBR	2	Х	Х						
O-RING	HNBR	2	Х	х						
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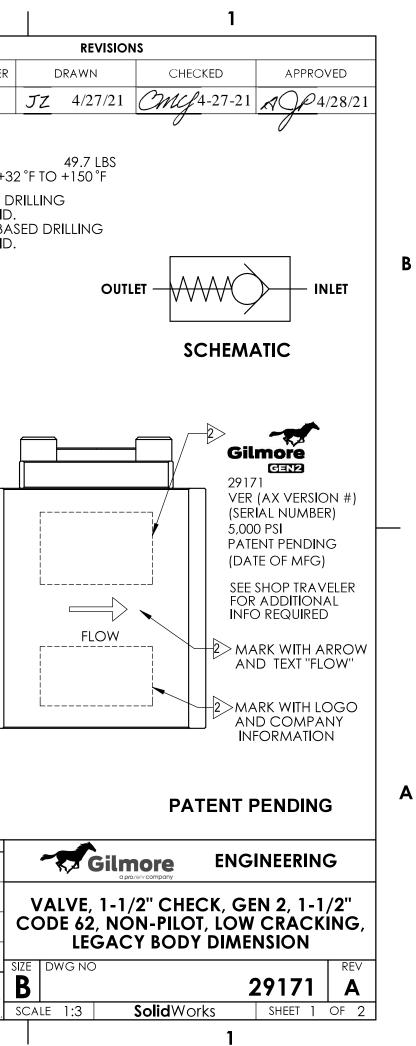
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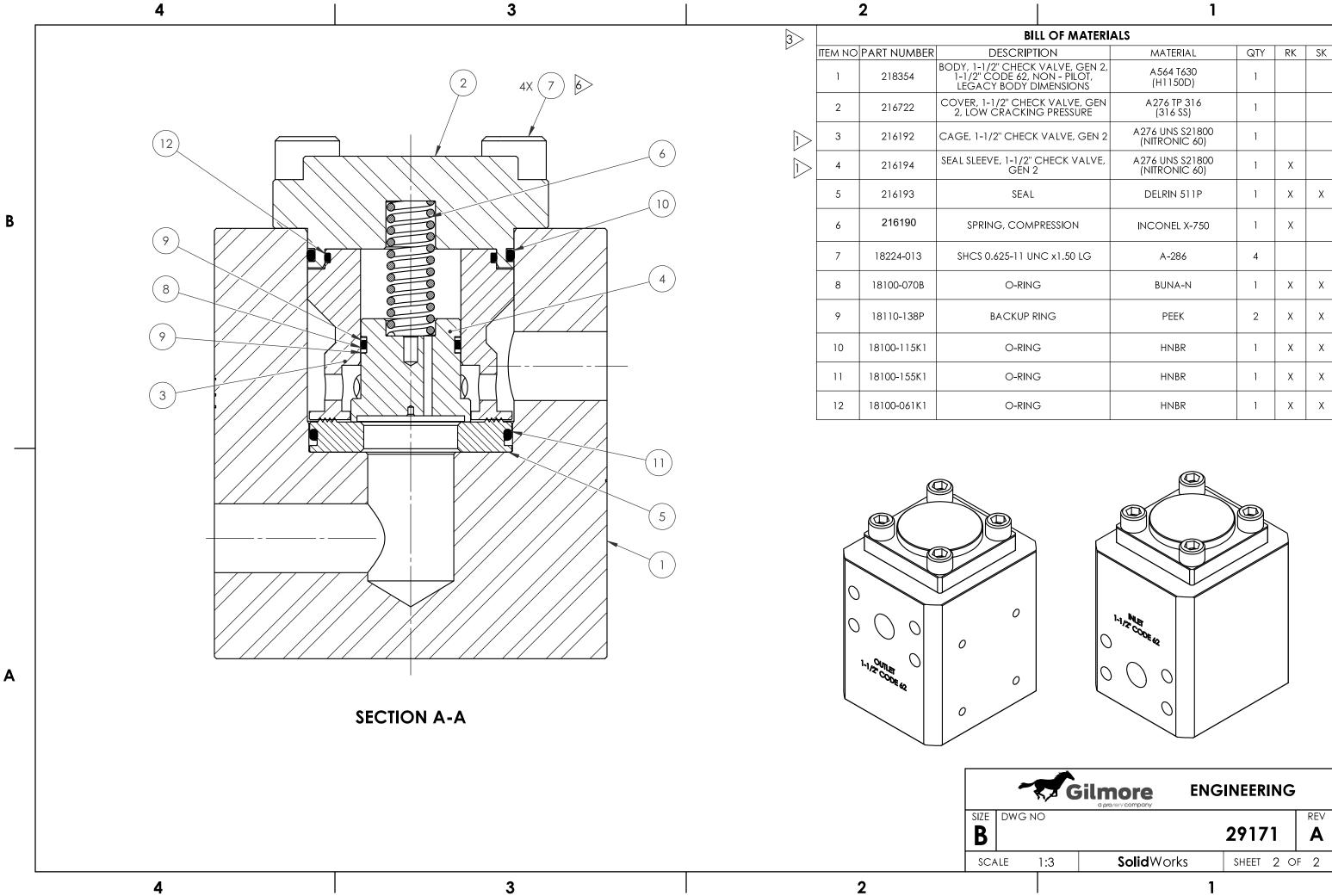
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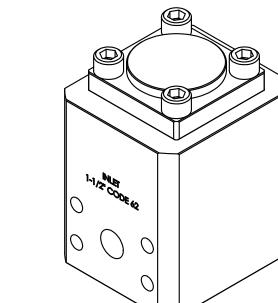
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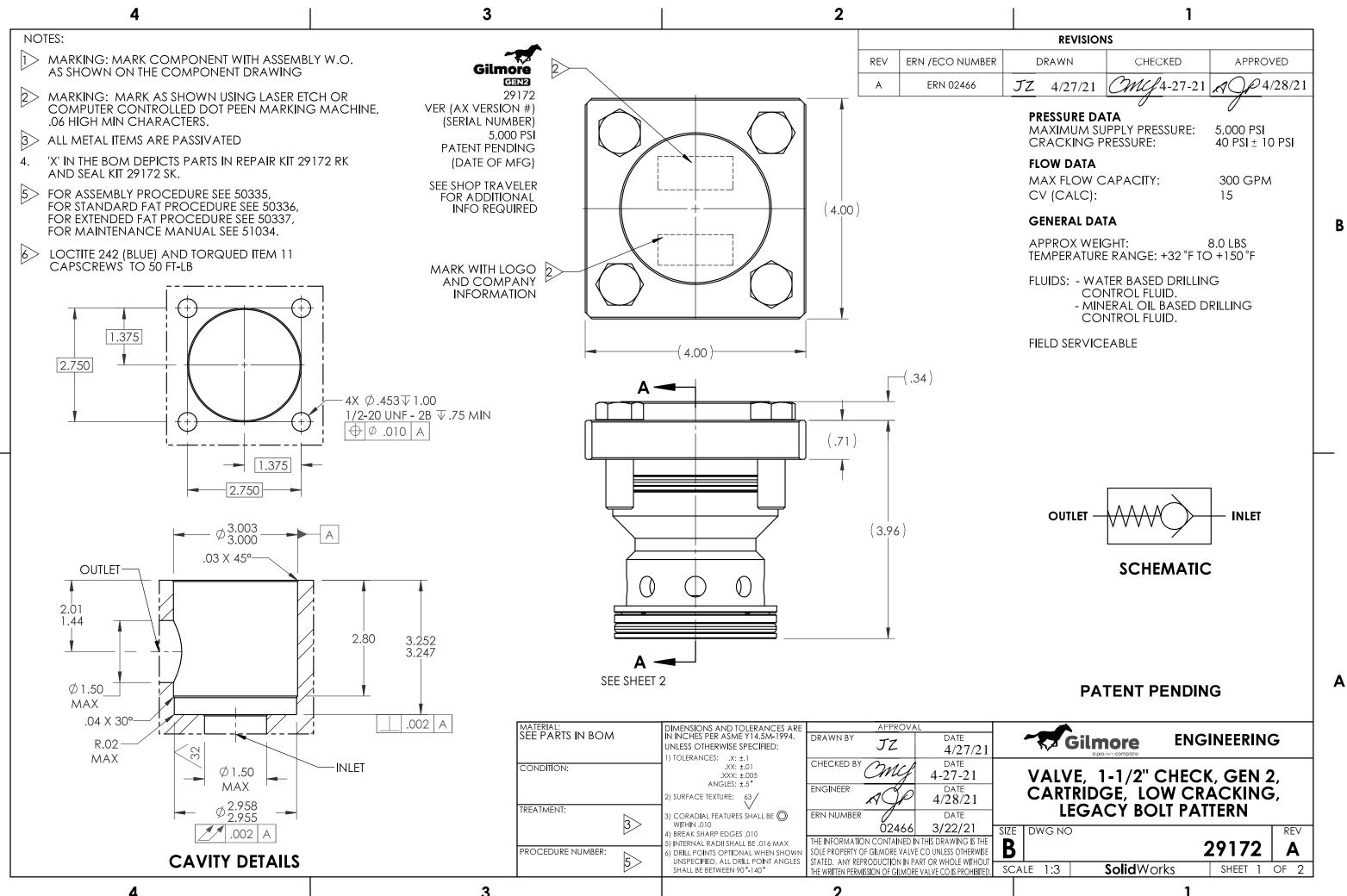
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В	 NOTES: MARKING: MARK COMPONENT WITH ASSEM AS SHOWN ON THE COMPONENT DRAWING MARKING: MARK AS SHOWN USING LASER COMPUTER CONTROLLED DOT PEEN MARKIN .06 HIGH MIN CHARACTERS. ALL METAL ITEMS ARE PASSIVATED Y' IN THE BOM DEPICTS PARTS IN REPAIR KIT AND SEAL KIT 29171 SK. FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR EXTENDED FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034. LOCTITE 242 (BLUE) AND TORQUED ITEM 7 CAPSCREWS TO 100 FT-LB 	; ETCH OR NG MACHINE,	PRESSURE DATA MAXIMUM SUPPLY P CRACKING PRESSUR FLOW DATA MAX FLOW CAPACI CV (CALC): CONNECTION INLET: OUTLET:	E: 40 PSI ± 10 PSI TY: 300 GPM 15	REV ERN /ECO NUMBER A ERN 02466 GENERAL DATA APPROX WEIGHT: TEMPERATURE RANGE: +32 FLUIDS: - WATER BASED DR CONTROL FLUID. - MINERAL OIL BAS CONTROL FLUID. FIELD SERVICEABLE	ILLING
A	(4.25) (3.53) (5.06) (4.25) (3.53) (5.06) (4.25) (3.53) (5.06) (4.25) (3.53) (5.06) (4.25) (3.53) (5.06)			SEE SHEET 2 INLET 1-1/2" CODE 62 INLET 1-1/2" CODE 62 INLET 1-	$\begin{array}{c c} \hline & & & \\ \hline \\ \hline$	





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BILL OF MATERI	ALS			
CRIPTION	MATERIAL	QTY	RK	SK
HECK VALVE, GEN 2, 62, NON - PILOT, DY DIMENSIONS	A 564 T630 (H1150D)	1		
CHECK VALVE, GEN CKING PRESSURE	A276 TP 316 (316 SS)	1		
HECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1		
1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1	х	
SEAL	DELRIN 511P	1	х	Х
COMPRESSION	INCONEL X-750	1	Х	
11 UNC x1.50 LG	A-286	4		
-RING	BUNA-N	1	X	Х
KUP RING	PEEK	2	Х	x
-RING	HNBR	1	х	х
-RING	HNBR	1	x	х
-RING	HNBR	1	х	х
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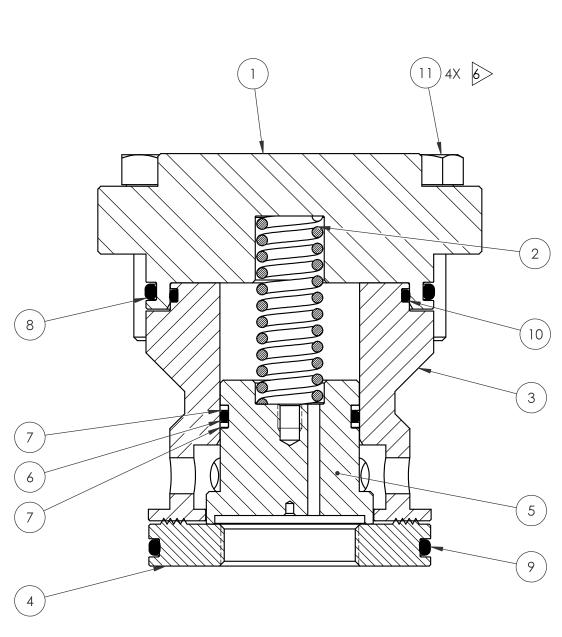


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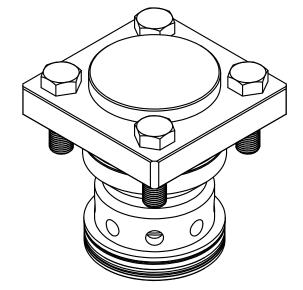
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3>		BILL OF MATERIALS								
	ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	QTY	RK	SK			
	1	218355	COVER, 1-1/2" CHECK VALVE, GEN 2, LOW CRACKING PRESSURE, LEGACY BOLT PATTERN	A276 TP 316 (316 SS)	1					
	2	216190	SPRING, COMPRESSION, 1-1/2" CHECK VALVE, GEN 2	INCONEL X-750	1	x				
1>	3	216192	CAGE, 1-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1					
	4	216193	SEAL, 1-1/2" CHECK VALVE, GEN 2	DELRIN 511P	1	x	x			
	5	216194	SEAL SLEEVE, 1-1/2" CHECK VALVE, GEN 2	A276 UNS S21800 (NITRONIC 60)	1	Х				
	6	18100-070B	O-RING	BUNA-N	1	x	х			
	7	18110-138P	BACKUP RING	PEEK	2	x	х			
	8	18100-115K1	O-RING	HNBR	1	x	х			
	9	18100-155K1	O-RING	HNBR	1	x	х			
	10	18100-061K1	O-RING	HNBR	1	x	х			
	11	209008	HHCS 0.5-20 UNF x1-5/8" LG	API 6ACRA 140K	4					



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SECTION A-A SCALE 1 : 1





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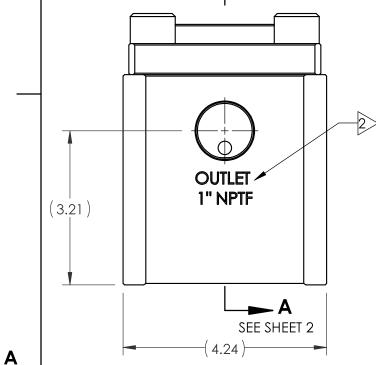
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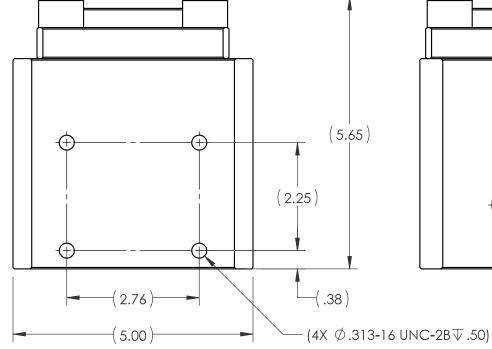
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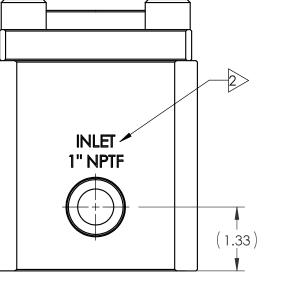
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В	 NOTES: MARKING: MARK COMPONENT WITH ASSEM AS SHOWN ON THE COMPONENT DRAWING MARKING: MARK AS SHOWN USING LASER COMPUTER CONTROLLED DOT PEEN MARK .06 HIGH MIN CHARACTERS. ALL METAL ITEMS ARE PASSIVATED 4. 'X' IN THE BOM DEPICTS PARTS IN REPAIR KIT AND SEAL KIT 29173 SK. FOR ASSEMBLY PROCEDURE SEE 50335, FOR STANDARD FAT PROCEDURE SEE 50336, FOR EXTENDED FAT PROCEDURE SEE 50337, FOR MAINTENANCE MANUAL SEE 51034. LOCTITE 242 (BLUE) AND TORQUED ITEM 7 CAPSCREWS TO 100 FT-LB 	G ETCH OR ING MACHINE, 29173 RK		PRESSURE DATA Maximum supply pressu Cracking pressure: FLOW DATA Max FLOW Capacity: CV (Calc): CONNECTION NLET: DUTLET:	JRE: 5,000 PSI 40 PSI ± 10 PSI 200 GPM 9 1" NPTF 1" NPTF	APP TEM FLUI	PERATU DS: - W C - M C	ERN /ECO NUMB ERN 02453 DATA (EIGHT: JRE RANGE: VATER BASED D CONTROL FLUID: AINERAL OIL BAS CONTROL FLUID: CONTROL FLUID:	RI SE

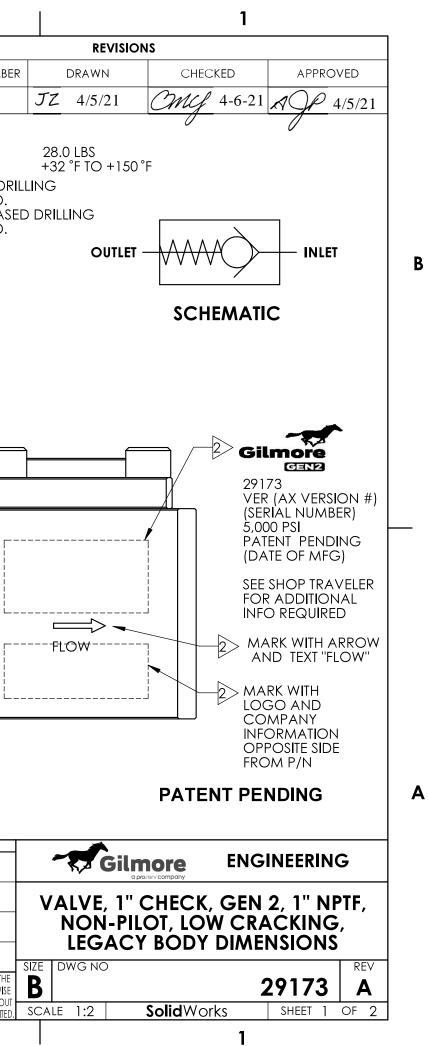


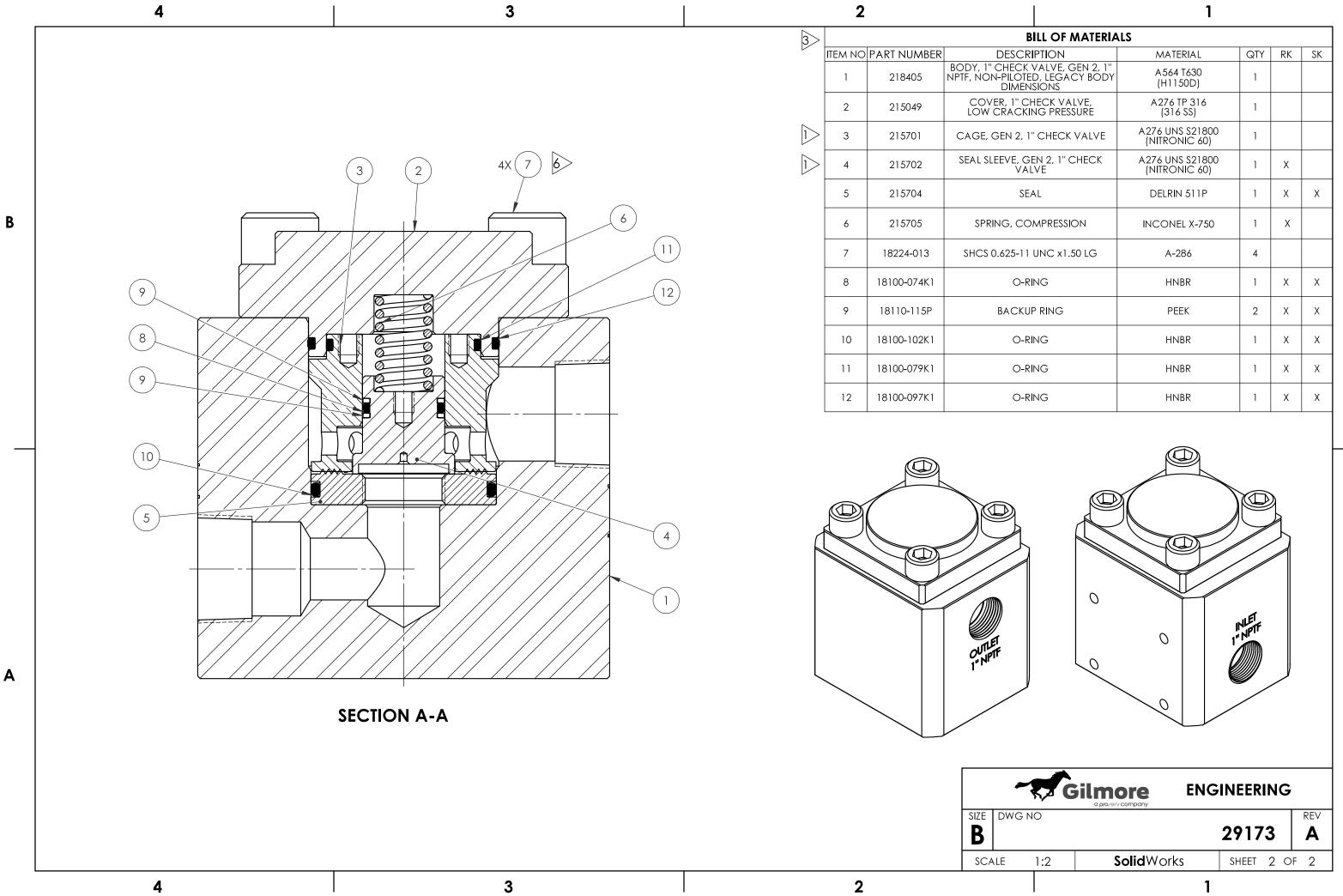




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MATERIAL:		DIMENSIONS AND TOLERANCES ARE	APPROVAL		
SEE PARTS IN BOM		IN INCHES PER ASME Y14.5M-1994.	DRAWN BY	DATE	
		UNLESS OTHERWISE SPECIFIED: 1) TOLERANCES:	JZ	4/5/21	
CONDITION:		.XX: ±.01	CHECKED BY	, DATE	
CONDITION.		.XXX: ±.005 ANGLES: ±.5°	Mg	4-6-21	
				DATE	
TREATMENT:		2) SURFACE TEXTURE: 63	A P	4/5/21	
IREATMENT:		3) CORADIAL FEATURES SHALL BE 🔘	ERN NUMBER	DATE	
	3>	WITHIN .010 4) BREAK SHARP EDGES .010	02453	3/22/21	
		5) INTERNAL RADII SHALL BE .016 MAX	THE INFORMATION CONTAINED	n this drawing is the	
PROCEDURE NUMBER:		6) DRILL POINTS OPTIONAL WHEN SHOWN	SOLE PROPERTY OF GILMORE VALV	e co unless otherw i se	
	5>	UNSPECIFIED, ALL DRILL POINT ANGLES	STATED. ANY REPRODUCTION IN P		
		SHALL BE BETWEEN 90°-140°	THE WRITTEN PERMISSION OF GILMOR	E VALVE CO IS PROHIBITED.	
			つ		
			4		



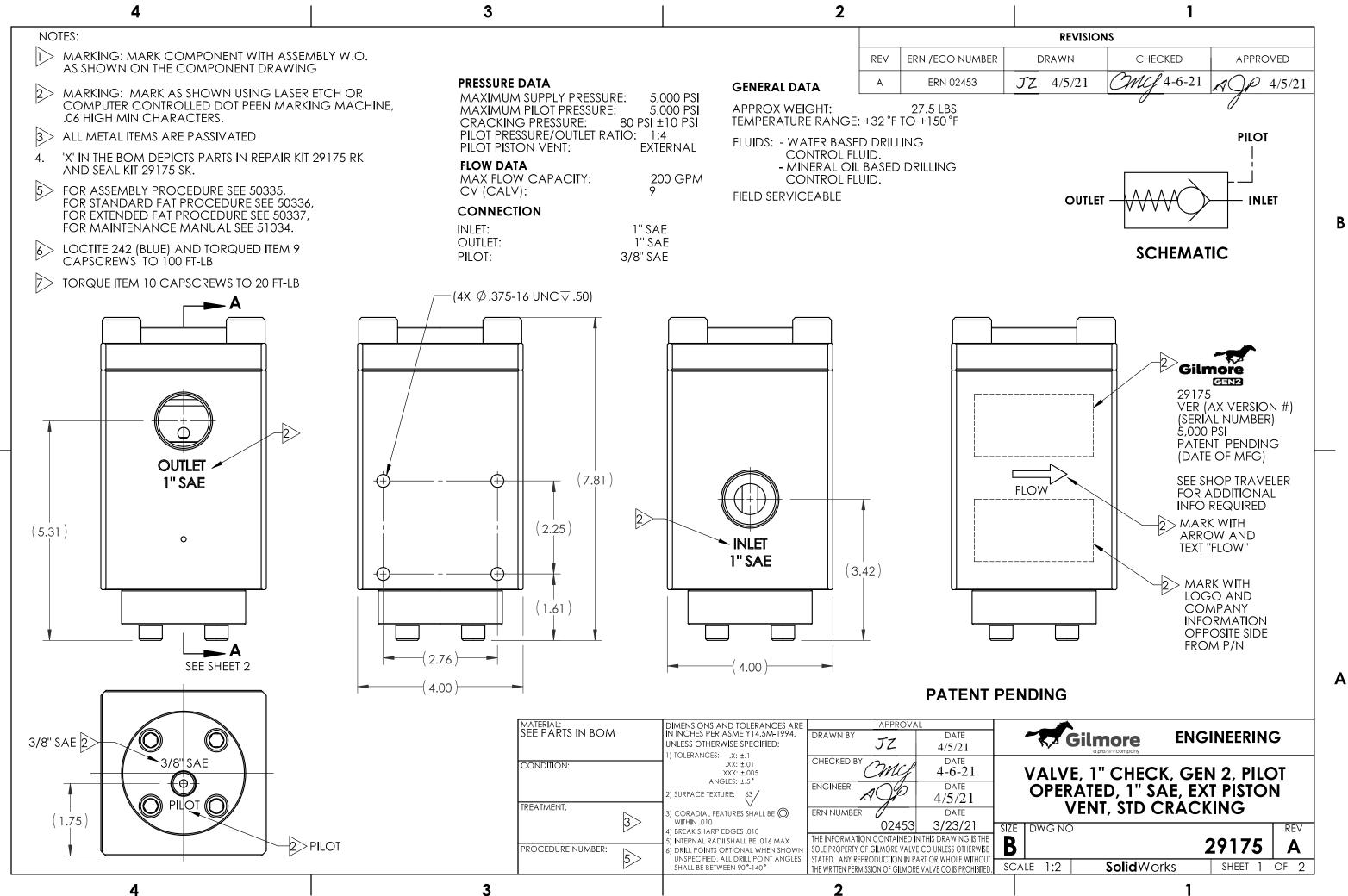


- QTY	RK	
) 1	RK	
		SK
6 1		
	х	
IP 1	х	Х
750 1	x	
4		
1	Х	Х
2	х	Х
1	х	х
1	х	Х
1	х	Х
	6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

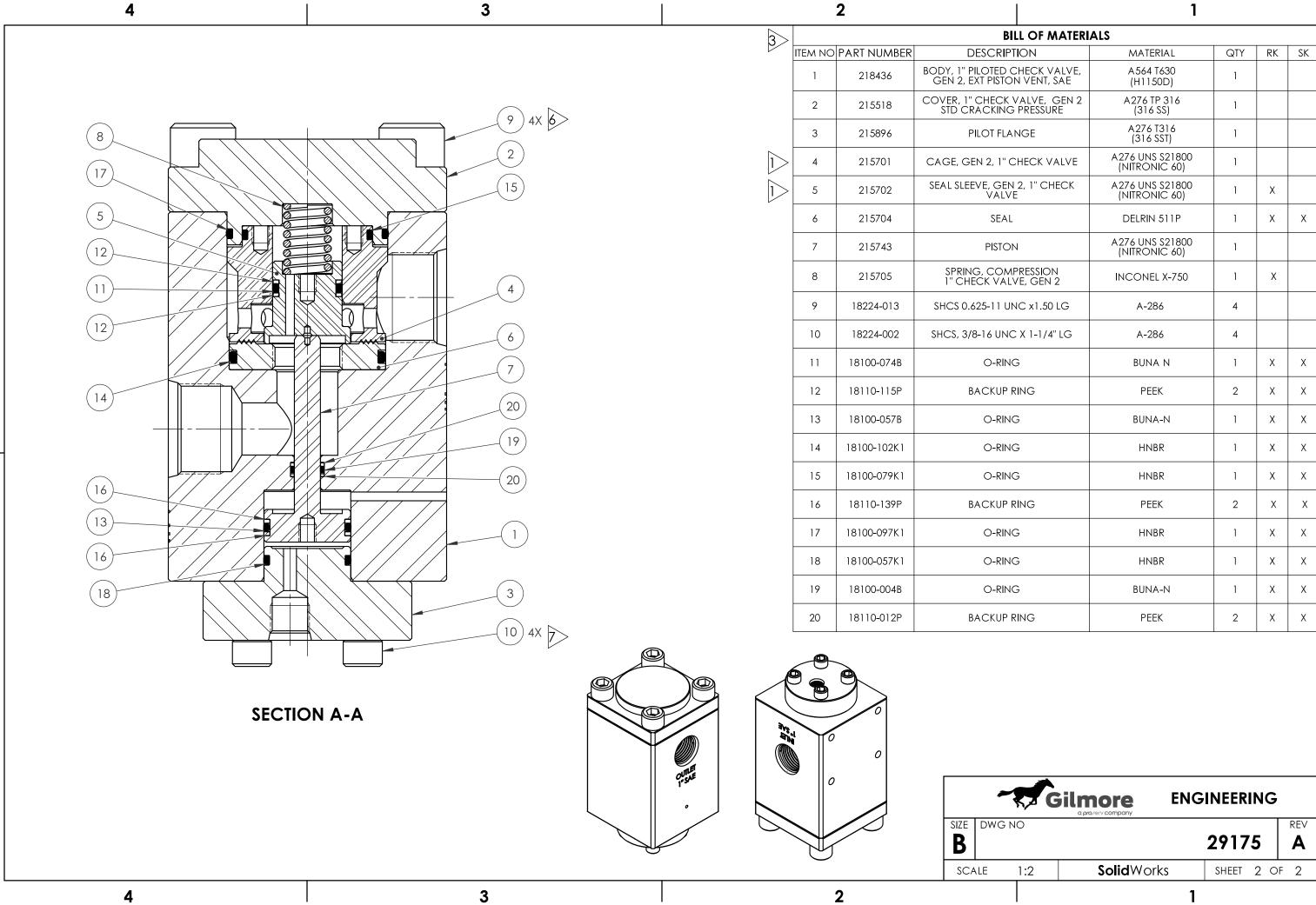
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	1						
BILL OF MATERIALS							
CRIPTION	MATERIAL	QTY	RK	SK			
TED CHECK VALVE, PISTON VENT, SAE	A564 T630 (H1150D)	1					
ECK VALVE, GEN 2 KING PRESSURE	A276 TP 316 (316 SS)	1					
T FLANGE	A 276 T316 (316 SST)	1					
2, 1" CHECK VALVE	A276 UNS S21800 (NITRONIC 60)	1					
GEN 2, 1" CHECK /ALVE	A276 UNS S21800 (NITRONIC 60)	1	x				
SEAL	DELRIN 511P	1	x	x			
ISTON	A276 UNS S21800 (NITRONIC 60)	1					
COMPRESSION VALVE, GEN 2	INCONEL X-750	1	x				
11 UNC x1.50 LG	A-286	4					
5 UNC X 1-1/4" LG	A-286	4					
P-RING	BUNA N	1	X	х			
KUP RING	PEEK	2	X	х			
P-RING	BUNA-N	1	x	x			
P-RING	HNBR	1	x	x			
P-RING	HNBR	1	x	х			
KUP RING	PEEK	2	X	х			
)-RING	HNBR	1	Х	х			
D-RING	HNBR	1	X	х			
P-RING	BUNA-N	1	х	х			
KUP RING	PEEK	2	Х	х			

В