

Pilot Unloader Check Valves

The self-contained unloading valve combines all the components (pilot valve, vent valve and check valve) required for continuous run compressors, eliminating the need for built-in head unloaders. Simply install the unloader into the air receiver and attach the compressor discharge line to the valve inlet.

- Construction: Forged Brass Body, Zinc-Plated Steel Internal Components, Fluorocarbon Piston Ring, Stainless Steel Spring and Glass-Filled PTFE Check Valve Poppet
- Minimum Cut-In: 60 PSI
Maximum Cut-Out: 250 PSI
- Factory Presets
Standard Setting: Cut-In, Cut-Out: 95-115 PSI
Optional High Setting: Cut-In, Cut-Out: 145-175 PSI
- Tapped and Plugged 1/8" NPT Port for Throttle Control
- Toggle Unloading Lever for One Hand Warm Up Control
- Pull Ring Unloader (LGM20)



LGM-20



LGM-30



LGM-40A



LGM40C 90° Inlet

Control Devices Series

SCFM	Straight Through Inlet Configuration	90° Inlet Configuration
	Part No.	Part No.
20	LGM-20	—
30	LGM30	—
30	LGM40A	LGM40C

Notes:

1. LGM-20 standard fittings are 1/2" FPT inlet and 3/8" FPT outlet w/pull ring
2. See page 2 for option inlet and outlet fittings for LGM30 and LGM40
3. Muffler included

Pilot Unloader Check Valves

Inlet Fitting	Outlet Fitting	LGM30 Straight Thru Inlet	LGM40A Straight Thru Inlet	LGM40C 90° Inlet
1/4" FPT	1/4" FPT	—	LGM40A-1414	—
1/2" FPT	1/4" FPT	—	LGM40A-0414	LGM40C-0414
1/2" FPT	1/2" FPT	LGM30-0404	LGM40A-0404	LGM40C-0404
1/2" FPT	1/2" MPT	LGM30-0401	LGM40A-0401	LGM40C-0401
1/2" Compression	1/2" FPT	LGM30-0304	LGM40A-0304	LGM40C-0304
1/2" Compression	1/2" MPT	LGM30-0301	LGM40A-0301	LGM40C-0301
5/8" Compression	1/2" FPT	LGM30-0604	LGM40A-0604	LGM40C-0604
5/8" Compression	1/2" MPT	LGM30-0601	LGM40A-0601	LGM40C-0601
3/4" Compression	1/2" FPT	LGM30-0704	LGM40A-0704	LGM40C-0704
3/4" Compression	1/2" MPT	LGM30-0701	LGM40A-0701	LGM40C-0701
1/2" Inverted Flare	1/4" FPT	—	LGM40A-0914	—
1/2" Inverted Flare	1/2" FPT	LGM30-0904	LGM40A-0904	LGM40C-0904
1/2" Inverted Flare	1/2" MPT	LGM30-0901	LGM40A-0901	LGM40C-0901
5/8" Inverted Flare	1/2" FPT	LGM30-0804	LGM40A-0804	LGM40C-0804
5/8" Inverted Flare	1/2" MPT	LGM30-0801	LGM40A-0801	LGM40C-0801
#8JIC	1/2" FPT	LGM30-1104	LGM40A-1104	LGM40C-1104
#8JIC	1/2" MPT	LGM30-1101	LGM40A-1101	LGM40C-1101
1/2" Internal BSP	1/2" FPT	LGM30-1004	—	—

Part numbers shown are for the standing 95 cut-in, 115 cut-out psi

Add HS to the part numbers shown for 145 cut-in, 175 cut-out psi

Sample Model Nos.

LGM40A - 0404 Straight thru configuration with 1/2" FPT x 1/2" FPT fittings, set at 95-115

LGM40C - 0404HS 90° Inlet with 1/2" FPT x 1/2" FPT fittings, set at 145-175

Optional Unloader Fittings to Add a Safety Valve Port

LGM-40 Unloader

Side or Top Port

NPT	Part No.
1/4" FPT	M4-D25

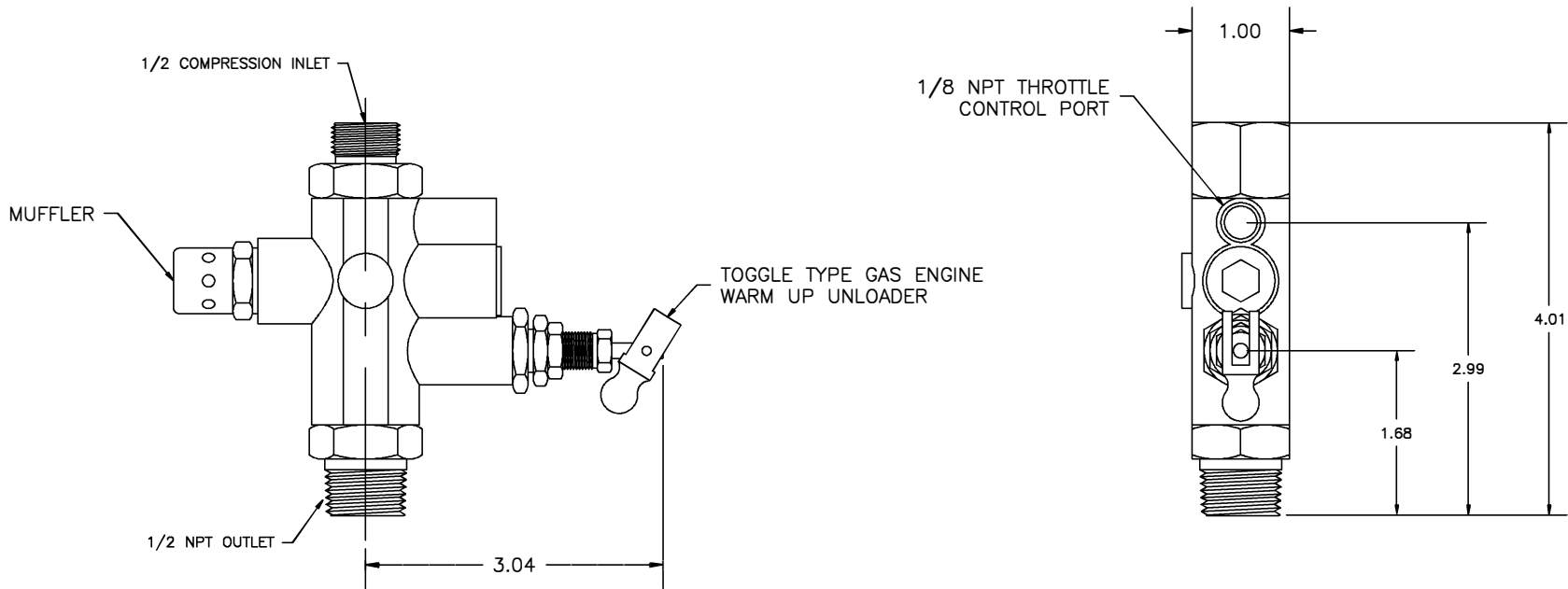
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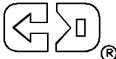
- 1. CONTINUOUS RUN VENT UNLOADER FOR AIR COMPRESSORS
- 2. MAX TEMPERATURE 450° F
- 3. CUT-IN/CUT-OUT PRESSURE -- 95/115 PSI
- 4. MATERIALS OF CONSTRUCTION:

BODY -- FORGED BRASS
CHECK VALVE POPPET, VENT SEAL, PISTON RING -- TEFLON
SPRINGS, REGULATOR BALL -- STAINLESS STEEL
PISTON, VENT NUT, TOGGLE RIVET -- ZINC PLATED STEEL
O-RINGS -- VITON
ADJUSTMENT SCREWS, JAM NUTS, CAP, ROD, ADAPTERS -- BRASS
TOGGLE -- ALUMINUM

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DATE	SYM	REVISION RECORD	ECN NO.	CHK.

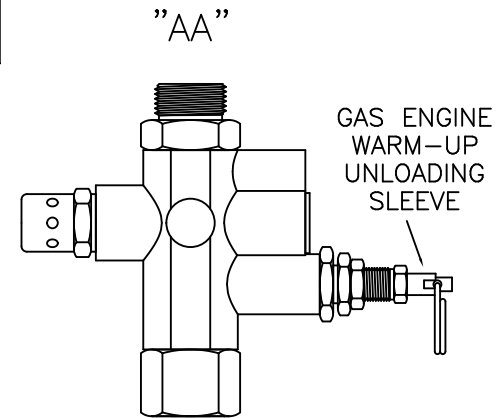


TOLERANCES (EXCEPT AS NOTED)		 control devices inc. 711 HANLEY INDUSTRIAL COURT ST. LOUIS, MISSOURI 63144				
DECIMAL +		MATERIAL SEE NOTE 4	SCALE 3/4X	SIZE B	DRAWN BY JVH	
FRACTIONAL +					APPROVED BY	
ANGULAR +		TITLE MARK III UNLOADER VALVE				
DATE 4/10/00						
		CAD FILE	DRAWING NUMBER			
		Q:\ENGR\PARTDWGS\LGM30-0301AB.DWG	LGM30-0301ABF			

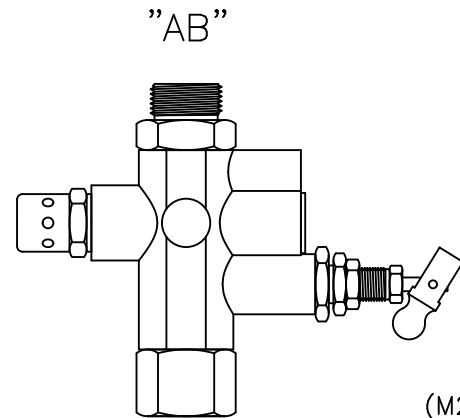
ALL DIMENSIONS ARE IN INCHES.

OPTION CODE

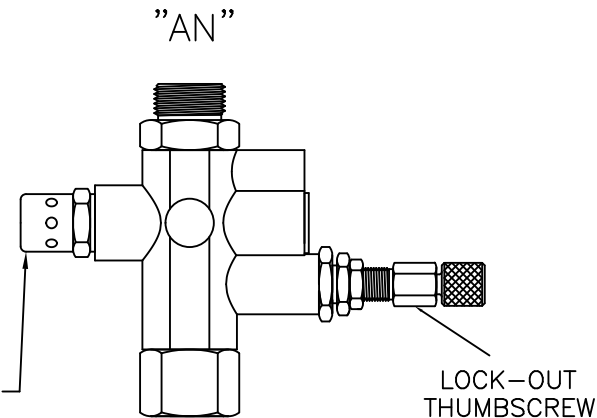
NOTE: ALL CONFIGURATIONS INCLUDE MUFFLER AND PLUGGED 1/8 NPT THROTTLE CONTROL PORT



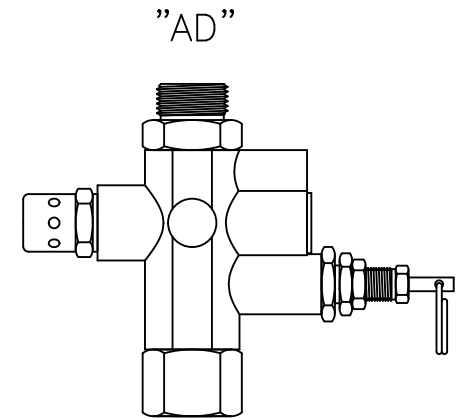
STANDARD CONFIGURATION FOR BOTH ELECTRIC AND GAS ENGINE APPLICATIONS



TOGGLE CONFIGURATION FOR GAS ENGINE APPLICATIONS



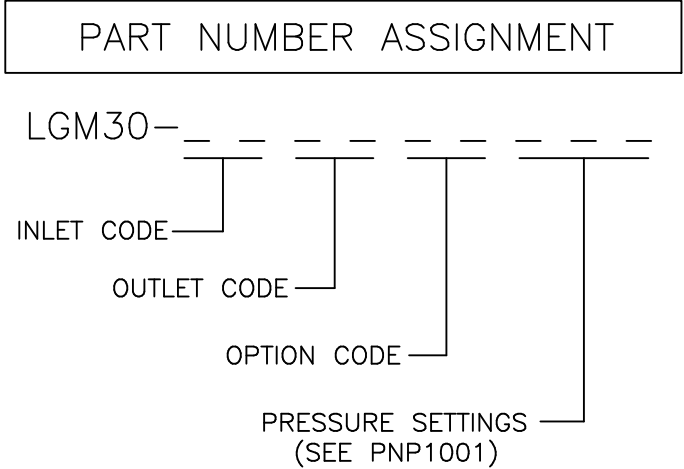
DUAL CONTROL CONFIGURATION FOR ELECTRIC MOTOR APPLICATIONS RUNNING BOTH START-STOP AND CONTINUOUSLY



ELECTRIC MOTOR APPLICATIONS

DATE	SYM	REVISION RECORD	ECN NO.	CR.
8/97	A	RELEASE TO PRODUCTION	97-122	
12/8/97	B	"00" INLET CODE ADDED	97-192	
2/6/00	C	ADDED INLET 11, REPAIR KITS & LOCK-OUT LP & MUFFLER P/N'S	97-192	
11/1/05	D	REMOVED OPTION "4C" LOCK-OUT CLIP, ADDED "4M" THUMBSCREW, ADDED INLET OPTION "08" 1/2" FOR 5/8" & 10" 1/2" BSP & 14" 1/4" NPT	05-528	

DESCRIPTION (PART NUMBER) INCLUDES O-RING	1/2 COMPRESSION FITTING (M3-EC50)	1/2 INTERNAL NPT (M3-EP50)	5/8 COMPRESSION FITTING (M3-EC62)	3/4 COMPRESSION FITTING (M3-EC75)	NO INLET FITTING	5/8 INVERTED FLARE FITTING (M3-IF62)	1/2 INVERTED FLARE FITTING (M3-IF50)	1/2 INTERNAL BSP (M3-EB50)	#8 JIC FITTING (M3-EJ08)	1/4 INTERNAL NPT (M3-EP25)
INLET CODE	"03"	"04"	"06"	"07"	"00"	"08"	"09"	"10"	"11"	"14"



OUTLET CODE	"01"	"04"
DESCRIPTION (PART NUMBER)	1/2 EXTERNAL NPT (M3-DM50)	1/2 INTERNAL NPT (M3-DP50)

PART NUMBER	REPAIR KITS	CONTENTS
KTM300		OUTLET O-RING CHECK VALVE POPPET CHECK VALVE SPRING
KTM301		OUTLET O-RING CHECK VALVE POPPET CHECK VALVE SPRING 1/2 EXTERNAL NPT OUTLET

EXAMPLE

LGM30-0301ABF IS VALVE WITH 1/2 COMPRESSION FITTING INLET, 1/2 EXTERNAL NPT OUTLET, TOGGLE, SET AT 95/115 PSI

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control devices inc.			
711 HANLEY INDUSTRIAL COURT ST. LOUIS, MISSOURI 63144			
MATERIAL	SCALE	SIZE	DRAWN BY
		B	PFR
APPROVED BY			
TITLE			
LGM30 CONFIGURATION			
DATE	DRAWING NUMBER		REV
8/14/97	A-P002		D