

MODEL NO.	MAX DELIVERY PRESSURE	DELIVERY PRESSURE GAUGE	RELIEF VALVE
MPAN-5300	30 PSI	-30" Hg-0-60 PSI	50 PSI
MPAN-5310	100 PSI	-30" Hg-0-200 PSI	150 PSI

REF ONLY FOR PDM USE ONLY		DWG NO. MPAN-53X0-0L-	MODEL NO. MPAN-5310-350-0-	REVISIONS		
SH-ZONE	REV	DESCRIPTION	ECO NO.	BY/DATE	APVD/DATE	
-	A	RELEASED FOR PRODUCTION	-	DL-7/2/21	WS-9/22/21	
-	B	REVISED FLOW RATE AND CLEANING SPEC.	-	DL-4/3/24	WS-4/3/24	

PAN-5300-CGA-0

OPTIONS - (0) NONE; (A) AUTOSHUTDOWN (EFS/ESO/GSM4);
(V) EXCESS FLOW VALVE; (X) EXCESS FLOW SWITCH

CGA - (320/326/346/540/580/590) WITH LIMITATIONS

DELIVERY PRESSURE - (0) 30 PSI; (1) 100 PSI

NUMBER OF VALVES - (3)

SERIES - (5)

NOTES:

- APPROXIMATE WEIGHT 15 LBS.
- BACKPLATE 0.093 THICK CRS FINISHED W/ SHERWIN WILLIAMS POLANE T POLYURETHANE ENAMEL NITRO BLUE #F63L17.
- LEAK TESTED BUBBLE TIGHT.
- SOME CGA FITTINGS DO NOT HAVE CHECK VALVES.

MATERIALS	
REGULATOR BODY	316L STAINLESS STEEL
REGULATOR BONNET	316 STAINLESS STEEL
REGULATOR DIAPHRAGMS	316 STAINLESS STEEL
REGULATOR SEAT	PCTFE
REGULATOR SEALS	METAL TO METAL
VALVE BODY (4360 SERIES)	316L STAINLESS STEEL BARSTOCK
VALVE DIAPHRAGM	316L STAINLESS STEEL
VALVE SEAT	PCTFE
CHECK VALVE BODY	316 STAINLESS STEEL
CHECK VALVE O-RING	FFKM
RELIEF VALVE BODY	316 STAINLESS STEEL
RELIEF VALVE O-RING	FFKM
GAUGES	316L STAINLESS STEEL
TUBING AND FITTINGS	STAINLESS STEEL
FLEX HOSE	STAINLESS STEEL

SPECIFICATIONS	
MAXIMUM INLET PRESSURE	3000 PSI (20,700 kPa)
FLOW CAPACITY-REGULATOR (Cv)	0.09
OPERATING TEMPERATURE	-10°F TO 160°F (-23°C TO 71°C)
VALVE FLOW CAPACITY (Cv)	0.13
CLEANING	CGA G 4.1
PRESSURE RATING	PER ANSI/ASME B31.3
TYP MAX FLOW (100 PSI DEL. PRESS.)	2 SCFM-N2 (57 SLPM)
CONFORMS TO CGA E-4 STANDARD FOR GAS PRESSURE REGULATORS	

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TOLERANCES	
INCH	METRIC
x ± .1	x ± .8
.x ± .03	.x ± .3
.xx ± .01	.xx ± .13
.xxx ± .005	
63 ✓	1.6 ✓
ANGLES ± 1/2°	

MATERIAL: FINISH: THIRD ANGLE PROJECTION DO NOT SCALE DRAWING

APPROVALS	
DRAWN BY: DL	DATE: 7/2/21
CHECKED BY: WS	DATE: 9/22/21
ENGINEER: WS	DATE: 9/22/21

MATHESON
ask...The Gas Professionals™
GAS EQUIPMENT TECHNOLOGY GROUP, MONTGOMERYVILLE, PA 18936

TITLE: **OUTLINE DRAWING 53X0 SERIES PANEL 3 VALVE**

SIZE: **D** CREO SCALE: NTS SHEET 1 OF 1

DWG. NO. **MPAN-53X0-0L** REV **B**

