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| MODEL NO. | MAX DELIVERY PRESSURE | DELIVERY PRESSURE GAUGE |
|-----------|-----------------------|-------------------------|
| 3120A     | 15 PSI                | 30" VAC-0-30 PSI        |
| 3121A     | 50 PSI                | 30" VAC-0-100 PSI       |
| 3122A     | 125 PSI               | 30" VAC-0-200 PSI       |
| 3126A     | 250 PSI               | 0-400 PSI               |
| 3128A     | 500 PSI               | 0-1000 PSI              |

| REF ONLY FOR PDM USE ONLY | DWG NO.   | MODEL NO.   |
|---------------------------|-----------|-------------|
|                           | 3120A-OL- | M3510A-580- |

REVISIONS

| SH-ZONE | REV | DESCRIPTION             | ECO NO. | BY/DATE     | APVD/DATE |
|---------|-----|-------------------------|---------|-------------|-----------|
| -       | A   | RELEASED FOR PRODUCTION | -       | DL-12/22/20 | WS-1/8/21 |

Ø 1.39

PANEL CUT-OUT

| MATERIALS                  |                              |
|----------------------------|------------------------------|
| REGULATOR BODY             | NICKEL PLATED BRASS BARSTOCK |
| REGULATOR BONNETS          | CHROME PLATED BRASS BARSTOCK |
| REGULATOR DIAPHRAGMS       | 316L STAINLESS STEEL         |
| REGULATOR SEAT (1st STAGE) | TEFLON                       |
| REGULATOR SEAT (2nd STAGE) | TEFLON                       |
| REGULATOR SEALS            | METAL TO METAL               |
| INLET FILTER               | NICKEL PLATED BRONZE         |
| VALVE BODY                 | NICKEL PLATED BRASS          |
| VALVE DIAPHRAGM            | 316L STAINLESS STEEL         |
| VALVE SEAT                 | PCTFE                        |

| SPECIFICATIONS   |                                    |
|--|------------------------------------|
| MAXIMUM INLET PRESSURE                                   | 3000 PSI (20,700 kPa)              |
| REGULATOR FLOW CAPACITY (Cv)                             | 0.06                               |
| OPERATING TEMPERATURE                                    | -40°F TO 140°F (-40°C TO 60°C)     |
| PORTING (REGULATOR BODY)                                 | 1/4" NPT FEMALE                    |
| PORTING CONFIGURATION                                    | 2 HIGH, 3 LOW, 1 INTERSTAGE        |
| INLET FILTER   | 10 MICRON - SINTERED               |
| BONNET THREADING   | 1-3/8"-12                          |
| BONNET VENT HOLE   | 1/8" NPT                           |
| VALVE FLOW CAPACITY (Cv)                                 | 0.13                               |
| LEAK TEST  | 1 x 10 <sup>-5</sup> SCCM-HE       |
| CLEANING   | CGA G 4.1 & ASTM G93 (INTER LEVEL) |
| PRESSURE RATING  | PER ANSI/ASME B31.3                |
| TYP MAX FLOW (100 PSI DEL. PRESS.)                       | 7 SCFM-N <sub>2</sub> (200 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:   | DATE:    |
| DL          | 12/22/20 |
| CHECKED BY: | DATE:    |
| WS          | 1/8/21   |
| ENGINEER:   | DATE:    |
| WS          | 1/8/21   |

GAS EQUIPMENT TECHNOLOGY GROUP, MONTGOMERYVILLE, PA 18936

TITLE:

OUTLINE DRAWING  
3120A SERIES REGULATOR  
DUAL STAGE, BRASS

SIZE

C

DWG. NO.

3120A-OL

REV

A

CREO

SCALE: NTS

SHEET 1 OF 1

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