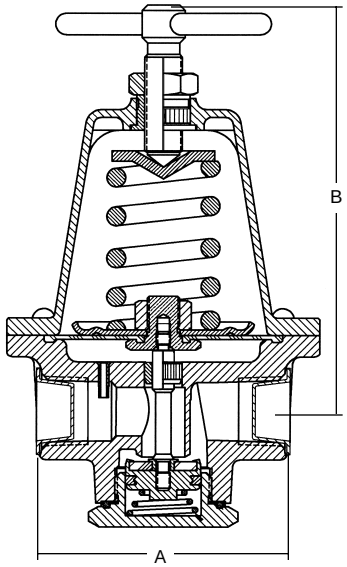
High Pressure Industrial / Commercial Pounds-to-Pounds Regulators

1580M Series and AA1580M Series

ΡΥΘΜΙΣΤΕΣ ΥΨΗΛΗΣ ΠΙΕΣΗΣ

CHRYSSAFIDIS



Application

Designed to reduce LP-Gas and anhydrous ammonia container pressures to between 3 and 125 PSIG. Precision-built with a multi-million BTU capacity, the 1580M series is perfect for such big, tough jobs as crop dryers, asphalt batch mixing plants, road building “tar wagons”, heat treating and other large industrial and commercial loads. It’s also ideal as a first stage regulator in large multiple operations. The AA1580M series is ideal for use in anhydrous ammonia applications such as blue print machines and heat treating.

Features

- Large nozzle and straight through flow provides high capacity and resistance to freeze-up.
- O-ring on retainer assembly provides a dampening effect to reduce vibration.
- Suitable for both liquid and vapor service.
- Can be readily fitted with pressure gauge in ¼" F. NPT port.

Materials

Body ..... Forged Aluminum
Bonnet ..... Die Cast Aluminum
Spring ..... Steel
Valve Seat Disc ..... Resilient Rubber
Diaphragm ..... Integrated Fabric and Synthetic Rubber

Ordering Information

Part Number	Service	Adjustment Method	Inlet & Outlet Connections	Recommended Delivery Pressure Range (PSIG)	Width	Height (max.)	Capacity Determined at Set Pressure of PSIG	Capacity**
AA1582MW	NH_3	Tee Handle	¼" F. NPT	3-25	2 3/16"	4⅛"	20	2,100 CFH NH_3
AA1582MK		Hex Head						
AA1582ML		Tee Handle		20-50			30	2,400 CFH NH_3
AA1582MH				45-125			60	2,600 CFH NH_3
1584MN	LP-Gas		½" F. NPT	3-30	2 15/16"	4⅞"	20	7,000,000 BTU/hr. LPG
1584ML				25-50			30	7,500,000 BTU/hr. LPG
1584MH				45-125			60	8,000,000 BTU/hr. LPG
AA1584MW	NH_3			3-25			20	4,500 CFH NH_3
AA1584ML				20-50			30	4,800 CFH NH_3
AA1584MH				45-125			60	5,100 CFH NH_3
1586MN	LP-Gas		¾" F. NPT	3-30	3½"	7"	20	11,000,000 BTU/hr. LPG
1586ML				25-50			30	12,000,000 BTU/hr. LPG
1586MH				45-125			60	14,000,000 BTU/hr. LPG
AA1586MW	NH_3			3-25			20	7,000 CFH NH_3
AA1586ML				20-50			30	7,700 CFH NH_3
AA1586MH				45-125			60	8,900 CFH NH_3
1588MN	LP-Gas		1" F. NPT	3-30			20	11,000,000 BTU/hr. LPG
1588ML				25-50			30	12,000,000 BTU/hr. LPG
1588MH				45-125			60	14,000,000 BTU/hr. LPG

* Set pressure is established with 100 PSIG inlet pressure and a flow of 500,000 BTU/hr. propane for 1580M Series, 90 CFH/hr. NH_3 for AA1582M Series and 180 CFH/hr. NH_3 for AA1584M and AA1586M Series.

** Capacities determined at actual delivery pressure 20% less than set pressure with inlet pressure 20 PSIG higher than set pressure.

NOTE: Care must be taken to prevent re-liquification of propane at normal temperatures by heat tracing or other effective means. Use of a relief valve upstream or downstream of these regulators is recommended in accordance with NFPA 58.

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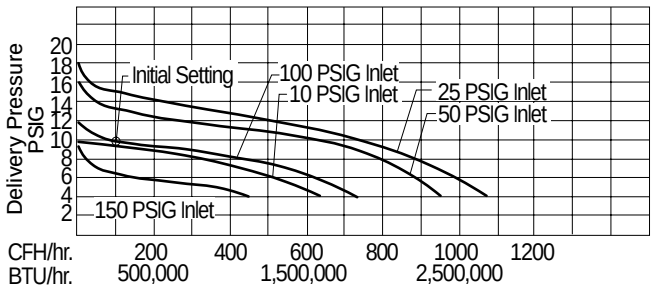
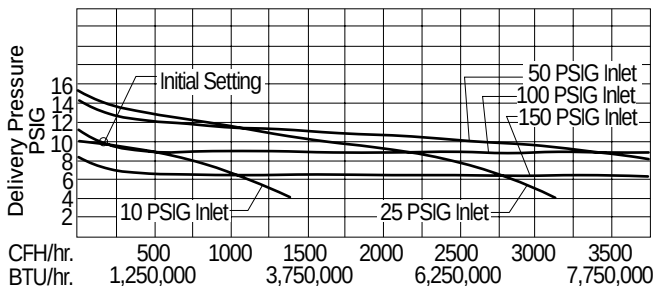
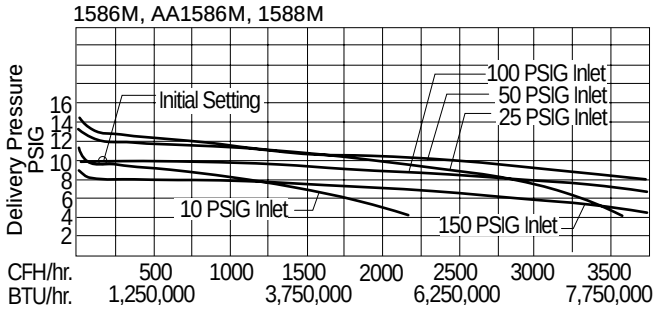
AA1582M



1584M, AA1584M

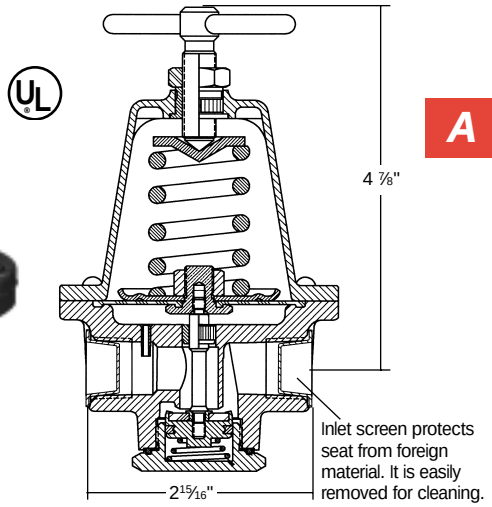


1586M, AA1586M, 1588M



High Pressure / High Temperature Industrial / Commercial Pounds-to-Pounds Regulators

X1584M Series



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Application

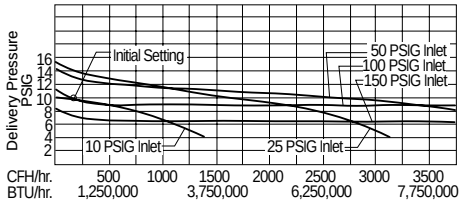
Designed to reduce LP-Gas container pressures to between 3 and 50 PSIG. Ideal for crop drying, heat treating, asphalt batch mixing and other large industrial and commercial load application utilizing high temperature LP-Gas or high temperature atmosphere under conditions up to 300°F. Also ideal as a first stage regulator in large multiple operations.

Features

- Special diaphragm and seat materials are suitable for up to 300°F. temperatures.
- Large nozzle and straight through flow provides high capacity and resistance to freeze ups.
- Suitable for both liquid and vapor service.
- Can be fitted with high pressure gauge in ¼" F. NPT port. Engineered Controls International, Inc. recommends that these gauges use silver braze rather than soft solder construction.

Materials

Body ..... Forged Aluminum
Bonnet ..... Die Cast Aluminum
Spring ..... Stainless Steel
Diaphragm ..... High Temperature Synthetic Composition
Seat Disc ..... High Temperature Resilient Composition
Backup Seal ..... High Temperature Resilient Composition



Ordering Information

Part Number	Service	Adjustment Method	Inlet & Outlet Connections	Recommended Delivery Pressure Range (PSIG)	Capacity Determined at Set Pressure of PSIG*	Capacity BTU/hr. Propane**
X1584MN	LP-Gas	Tee Handle	½" F. NPT	3-30	20	7,000,000
X1584ML				25-50	30	7,500,000

* Set pressure is established with 100 PSIG inlet pressure and a flow of 500,000 BTU/hr. propane.

** Capacities determined at actual delivery pressure 20% less than set pressure with inlet pressure 20 PSIG higher than set pressure.

NOTE: Care must be taken to prevent re-liquification of propane at normal temperatures by heat tracing or other effective means. Use of a relief valve upstream or downstream of these regulators is recommended in accordance with NFPA 58.

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