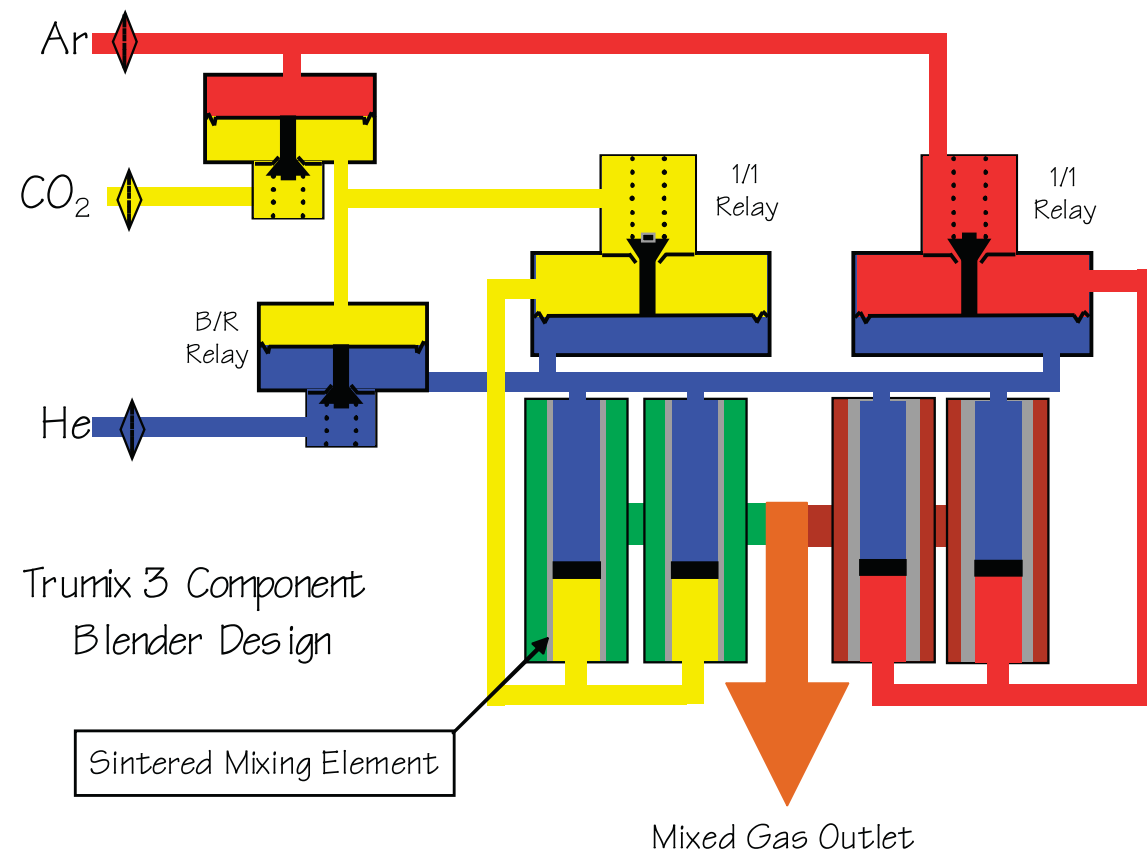


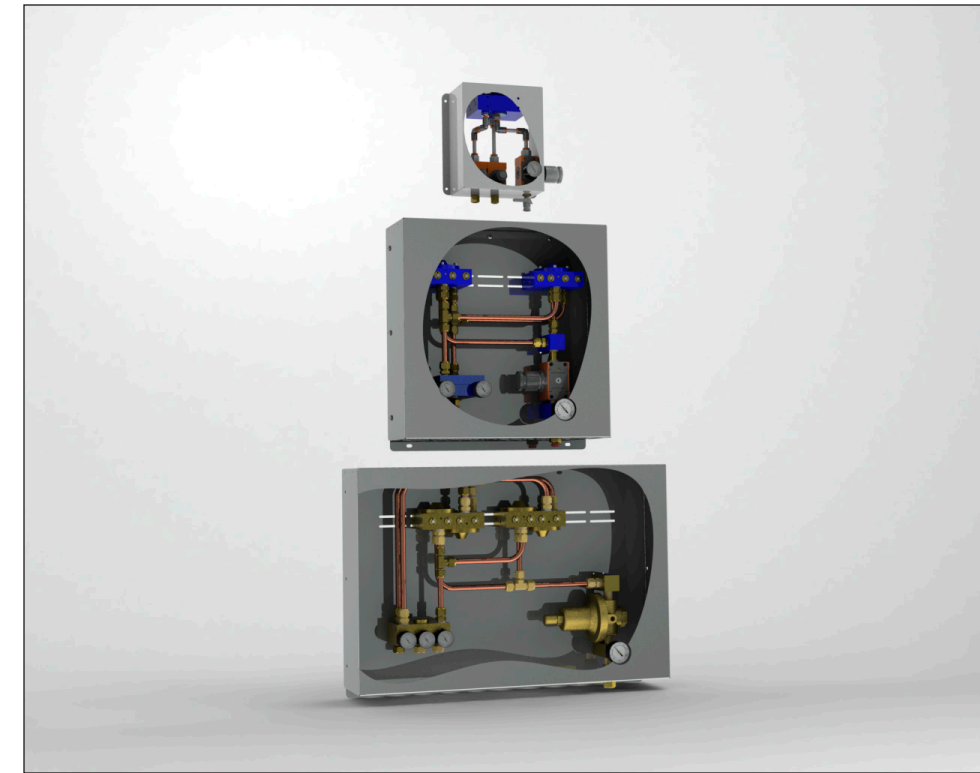
# McDantim's Trumix® Industrial Series Gas Blending Panels

Our patented Trumix® approach to blending is unique and offers advantages to many applications. Trumix® technology offers a flexible design that is extremely reliable and requires no on-going maintenance, electricity or storage tanks, saving both installation and operation expense.

The Trumix® design centers on two core advantages. First, the pressures are balanced to each other within 1/250th of a psi utilizing the B/R and 1/1 relays. This pressure balancing system assures blend quality by "shutting down" the Blender if all supply gases are not available. Secondly, the mixture is controlled by passing the gases through "sintered" metal tubes. This combination gives the Trumix® Blenders an accuracy of  $\pm 10\%$  of the minor component or better, regardless of the flow rate. Trumix® Blenders simply meet the flow requirements of the system without constantly shutting off and turning on, a process that leads to component wear. The result is a gas blending device that can work accurately and reliably 24 hours a day, seven days a week for years without service. Trumix® Blenders are preset and tamper-proof guaranteeing that the blend you need is the one you get, day in day out, year in year out.



# McDantim's Trumix® Industrial Series Gas Blending Panels



Accuracy, reliability, targeted flow capacity and economical design are primary features in the **McDantim Trumix®** line of gas blending panels. They are available in a wide variety of flow ranges and gas combinations including two or three component blends with panels that produce one or two blends. They can be mounted directly on the interior wall and plumbed in place. No storage tanks or electricity are required. Each Blender, regardless of its capacity is guaranteed to maintain an accuracy of  $\pm 10\%$  of the minor component or better from 2 scfh to the panel's maximum which can be as high as 4,000 scfh. To simplify design and keep the Trumix® Blender economical, the 950, 2000 and 4000 scfh units do not have inlet regulators.

All Trumix® panels come with a one year warranty and are based on our proven Trumix® technology. There are over 100,000 Trumix® Blenders of this design in service around the world today. There is no requirement for on-going maintenance.

# McDantim's Trumix® Industrial Series Gas Blending Panels

**Design Goals:** Compact wall mounted blending panels to reliably produce an accurate, preset blend over the complete flow range. **Applications:** Welding, food packaging and beverage dispense.


**Common Features:** Blend accuracy is ±10% of the minor component from 2 scfh to the maximum. Automatic Shut-off: Blender will shut-down if any of the gases are missing. Tamper-proof design. Does not require electricity, surge or storage tanks or on-going maintenance.

**Panel Construction:** All panels are made of 20 gauge 304 stainless steel. The TM2B150, T2B300, TM300 and TM900 models have polyurethane and nylon tubing. The TMA950, TMAOX950, TMA2000, TMAOX2000, TMA4000 and TMAOX4000 models have copper and brass tubing/fittings.

**Panels include:** Adjustable outlet regulators and gauges. Maximum pressure out is approximately 10 psi lower than inlet pressure. Available flow rate depends on required working pressure.

**Requirements:** Install indoors. Gases must be clean and dry.

*Custom Panels are available, call us with details for the application (environment, gases, flow rates, blend(s), etc.).*

	Dimensions Panel Design	Fitting Type and Size	Number of Gases in Blend Number of Blends Out	Gases O2	Inlet Pressures Required	Flow Rates Approx. Number of Weld Stations
 <b>TM2B150</b>	10" Wide 12" High 5" Deep One piece panel. No access until removed from wall.	1/4" NPT Female	2 Gases Only  2 Blend Output	Ar, CO2, He & N2  Not O2 compatible	120-150 psi	1 - 150 scfh per Blend  4 Weld Stations per Blend
 <b>TM2B300</b>	10" Wide 12" High 5" Deep One piece panel. No access until removed from wall.	1/4" NPT Female	2 Gases Only  2 Blend Output	Ar, CO2, He & N2  Not O2 compatible	120-150 psi	1 - 300 scfh per Blend  8 Weld Stations per Blend
 <b>TM300</b>	10" Wide 12" High 5" Deep One piece panel. No access until removed from wall.	1/4" NPT Female	2 Gases Only  Single Blend	Ar, CO2, He & N2  Not O2 compatible	120-150 psi	1 - 300 scfh  8 Weld Stations
 <b>TM900</b>	10" Wide 12" High 5" Deep One piece panel. No access until removed from wall.	1/4" NPT Female	2 Gases Only  Single Blend	Ar, CO2, He & N2  Not O2 compatible	120-200 psi	2 - 900 scfh  25 Weld Stations
 <b>TMA950 or TMAOX950</b> 2 or 3 gas models	20" Wide 22" High 6" Deep Wall Bracket and Back-Plate w/ removable cover.	1/2" NPT Female	2 or 3 Gas Combinations  Single Blend	Ar, CO2, He, N2, O2 & H2  O2 or H2 available w/ longer lead time.	120 psi ± 5 psi. High quality primary regulators required.	2 - 950 scfh  25 Weld Stations
 <b>TMA2000 or TMAOX2000</b> 2 or 3 gas models	20" Wide 22" High 6" Deep Wall Bracket and Back-Plate w/ removable cover.	1/2" NPT Female	2 or 3 Gas Combinations  Single Blend	Ar, CO2, He, N2, O2 & H2  O2 or H2 available w/ longer lead time.	120 psi ± 5 psi. High quality primary regulators required.	2 - 2000 scfh  55 Weld Stations
 <b>TMA4000 or TMAOX4000</b> 2 gas models	20" Wide 22" High 6" Deep Wall Bracket and Back-Plate w/ removable cover.	1/2" NPT Female	2 Gas Combinations  Single Blend	Ar, CO2, He, N2, O2 & H2  O2 or H2 available w/ longer lead time.	120 psi ± 5 psi. High quality primary regulators required.	2 - 4000 scfh  120 Weld Stations
 <b>TMA4000 or TMAOX4000</b> 3 gas models	30" Wide 22" High 6" Deep Wall Bracket and Back-Plate w/ removable cover.	1/2" NPT Female	3 Gas Combinations  Single Blend	Ar, CO2, He, N2, O2 & H2  O2 or H2 available w/ longer lead time.	120 psi ± 5 psi. High quality primary regulators required.	2 - 4000 scfh  120 Weld Stations