

Model 243 Service Regulators

Construction and Design Features

243 Service Regulators

These large capacity service regulators are designed and built for commercial, industrial, and gas distribution work. They are right at home in such places as factories and foundries, district regulator stations, commercial laundries and laundromats, motels, hotels and apartments, bakeries, restaurants, schools, churches, and hospitals.

The versatile 243 is used for all kinds of gas fueled equipment such as boilers, burners, furnaces, ovens, heaters, kilns, engines, air conditioners, etc.

Remarkable field versatility results from the union connection between the fully interchangeable bodies and diaphragm-case assemblies. They are easy to install, adjust, inspect, and service in all kinds of piping arrangements.

While used primarily for natural gas services, Model 243 regulators perform equally well on LPG vapor, air, dry CO₂, nitrogen, and other inert gas applications. Contact your representative for special construction which may be available for certain corrosive gases.

Basic Models

243-12 Model Numbers	Variation	243-8 Model Numbers
243-12-1	Standard* Regulator	243-8-1
243-12-2	Regulator with Internal Relief Valve (IRV)	243-8-2
243-12-4	Regulator with Low Pressure Cut-Off (LPCO)	243-8-4
243-12-6	Regulator with both IRV and LPCO	243-8-6
	High Pressure Regulator	243-8HP
	Pressure Loaded Regulator	243-8PL

For additional information on IRV refer to page 4. For LPCO refer to page 5.

*The term "standard" refers to non-IRV configurations.

Outlet Pressure Ranges and Springs

Spring Color	Outlet Pressure Range		Spring Part Number
	243-12	243-8	
Red-Black	—	3½" to 6½" w.c.	143-82-021-00
Blue-Black	—	5" to 8½" w.c.	143-82-021-01
Green-Black	—	6" to 14" w.c.	143-82-021-02
Red	3½" to 6½" w.c.	—	143-16-021-03
Blue	5" to 8½" w.c.	—	143-16-021-04
Green	6" to 14" w.c.	12" to 28" w.c.	143-16-021-05
Orange-Black	10" to 18" w.c.	—	143-16-021-11
Orange	12" to 28" w.c.	1 to 2 psi	143-16-021-06
Black	1 to 2 psi	2 to 4½ psi	143-16-021-07
Cadmium	1½ to 3 psi	3 to 5 psi [§]	143-16-021-08
Cadmium	1½ to 3 psi	3 to 6½ psi*	143-16-021-08
Cadmium	—	6 to 10 psi*	143-16-021-08
White †	—	—	143-16-021-13

† White is nested inside Cadmium *Model 243-8HP only §Model 243-8-2 (IRV) only

Pipe Sizes

Model	Pipe Size
243-12-1 and 243-12-2	1¼", ½" and 2"
243-8-1 and 243-8-2	1¼", 1½" and 2"
243-8HP	1¼", 1½" and 2"

Temperature Limits

The Model 243 regulator may be used for flowing gas temperatures from -20°F to 150°F.

Buried Service

The Model 243 regulator is **not** recommended for buried service.