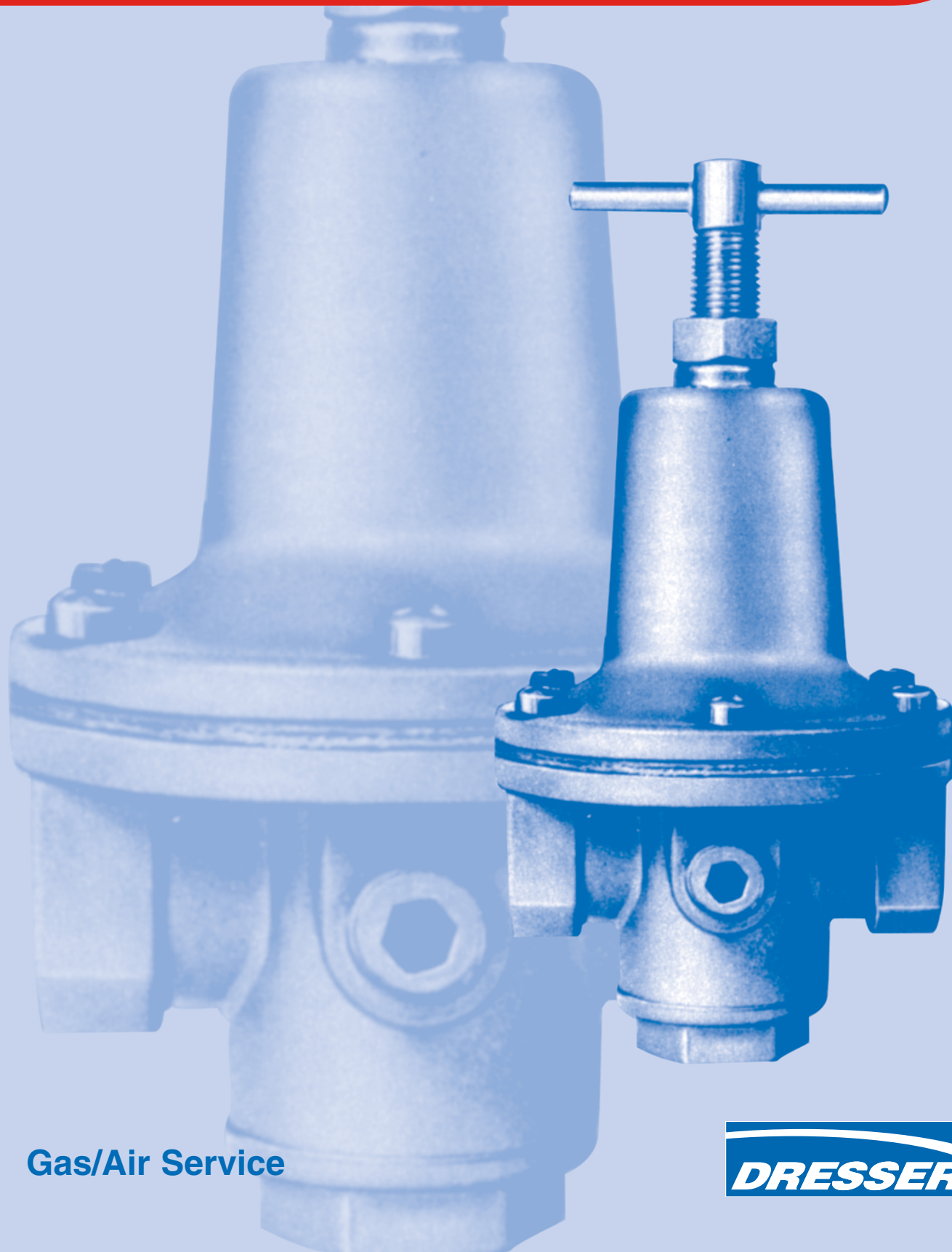


Masoneilan® Pressure Regulator Reducing Model 71

Specification Data

CY7101

4/82



Gas/Air Service



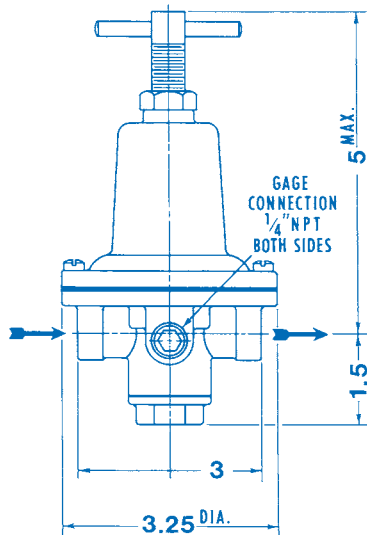
Foreword

The forged brass Model 71 reducing regulator provides accurate control of air pressure to such small air-operated devices as tools, chucks, automatic oilers, spray painters and air jet cleaners. This compact valve features a composition rubber seat for tight shutoff, brass and stainless steel construction for corrosion resistance and external T-handle adjustment. In addition, two gauge connections are located on the body for indication of reduced pressure.

Specifications

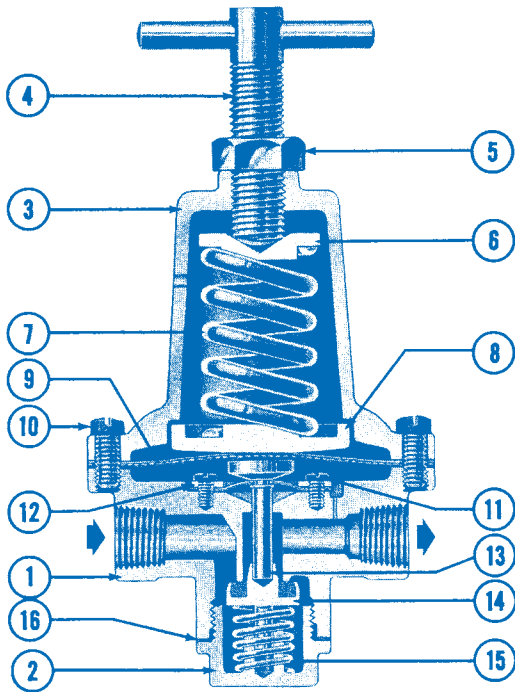
Size	1/2"
Flow Coefficient - C_v	$C_v = 1.2$
Critical Flow Factor	$F_L = 0.9$
Body Material	Brass Forging
Connections	Threaded NPT
Temperature Range	-20°F to 100°F
Pressure Rating	250 psi max.
Valve S/A	Nitrile Insert in Brass Retainer
Diaphragm	Nylon Reinforced Buna-N
Reduced Pressure Ranges	5-60 and 60-100 psi

Dimensions and Weights (in. and lb.)



Weight - 3 lb.

Section View



Materials

Ref. No.	Description	Materials
1	Body	Brass Forging ASTM B124
2	Body Plug	Brass Forging
3	Spring Case	Brass Forging ASTM B124
4	Adjusting Screw	Free Cutting Steel
5	Locknut	Carbon Steel
6	Upper Spring Button	Free Cutting Steel
7	Range Spring	Carbon & Alloy Spring Steel
8	Lower Spring Button	Free Cutting Steel
9	Diaphragm	Buna-N with Nylon Insert
10	Spring Case Screws	Carbon Steel
11	Seal Ring Screws	300 Series Stainless Steel
12	Seal Ring	Brass
13	Actuator Stem S/A	Brass Stem and Button with Buna-N and Nylon Insert Seal Ring
14	Valve	Brass Retainer with Nitrile Insert
15	Valve Spring	302 Stainless Steel
16	Body Plug Gasket	Copper

Valve Capacity - Air (scfm)

Inlet Pressure (psig)	Outlet Pressure (psig)	Air Flow (scfm)	Inlet Pressure (psig)	Outlet Pressure (psig)	Air Flow (scfm)	
30	5-10	28	125	5-60	85	
	20	16		80	80	
50	5-20	40		100	65	
	30	37		150	5-70	100
	40	28			100	92
60	5-25	42		160	5-80	110
	40	41	100		104	
	50	31	175		5-90	118
75	5-30	56		100	115	
	50	49	200	5-100	134	
	60	42		225	5-100	154
80	54	250			5-100	165

Part Numbers

Model Number	Range (psi)	Part Number
71-1	5-60	804071-001-060
71-10	60-100	804071-001-100

Gauges

Range (psi)	Part Number
0-30	208716-002-000
0-60	208716-003-000
0-100	208716-004-000
0-160	208716-005-000

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CY4000 SD - 7/95
40 Series Pressure Regulator