

# Regulator Selection | Ratio Regulator

## 7216 AIR/GAS RATIO REGULATORS

**Table 1.** CAPACITIES  
cfh  
MAXIMUM WIDE OPEN  
with 2 osi drop through regulator

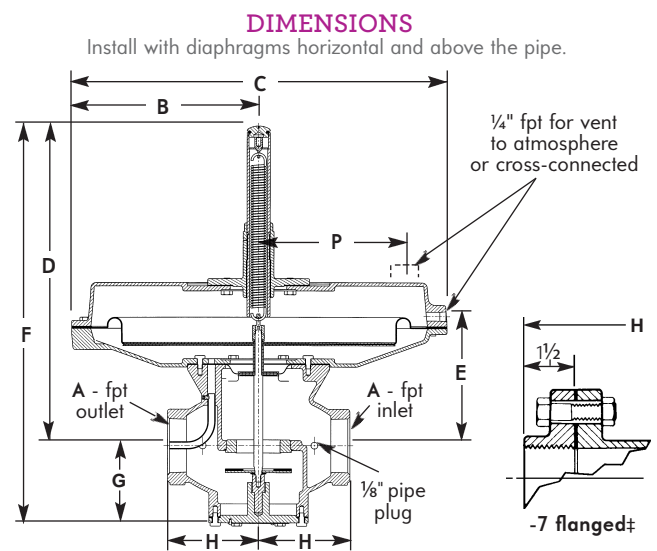
Regulator designation	gas gravity			
	0.4	0.6	1.5	2
7216-01	348	285	180	156
7216-0	659	540	341	295
7216-1	854	700	442	383
7216-2	2110	1730	1090	946
7216-3	3420	2800	1770	1530
7216-4	5860	4800	3030	2630
7216-5	8420	6900	4360	3770
7216-6	11100	9100	5750	4980
7216-7	21470	17600	11120	9630

**Table 2.** FACTORS  
for capacities at other pressure drops

Pressure drop, osi	Factor	Pressure drop, osi	Factor
1	0.707	8	2.00
2	1.00	10	2.24
2½	1.12	12	2.45
3	1.22	14	2.65
4	1.41	16	2.83
6	1.73		

## REGULATOR SELECTION

To size a regulator, determine required cfh of gas and pressure drop available at high fire. Divide required cfh by Table 2 factor for available pressure drop. Select smallest regulator with Table 1 (2 osi) capacity above this adjusted capacity. **Never choose a regulator capacity based on more than 16 osi drop (even if more is available).**



Regulator designation	dimensions in inches									wt, lb
	A	B	C	D	E	F	G	H	P	
7216-01	½	¾	7½	8 <sup>11</sup> / <sub>32</sub>	–	10 <sup>7</sup> / <sub>32</sub>	2¼	2½	2 <sup>11</sup> / <sub>16</sub>	7.5
7216-0	¾	¾	7½	8 <sup>11</sup> / <sub>32</sub>	–	10 <sup>7</sup> / <sub>32</sub>	2¼	2½	2 <sup>11</sup> / <sub>16</sub>	7.5
7216-1	1	¾	7½	8 <sup>11</sup> / <sub>32</sub>	–	10 <sup>13</sup> / <sub>32</sub>	2 <sup>7</sup> / <sub>16</sub>	2¾	2 <sup>11</sup> / <sub>16</sub>	8
7216-2	1¼	5¼	10½	9 <sup>3</sup> / <sub>32</sub>	–	12 <sup>15</sup> / <sub>32</sub>	3	2¾	3 <sup>15</sup> / <sub>16</sub>	11.5
7216-3	1½	5¼	10½	9 <sup>3</sup> / <sub>32</sub>	–	12 <sup>19</sup> / <sub>32</sub>	3 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>16</sub>	3 <sup>15</sup> / <sub>16</sub>	12
7216-4	2	6¾	13½	12 <sup>5</sup> / <sub>8</sub>	–	15 <sup>7</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>8</sub>	3 <sup>5</sup> / <sub>16</sub>	5¼	19.5
7216-5	2½	9¼	18½	19 <sup>1</sup> / <sub>32</sub>	6 <sup>7</sup> / <sub>16</sub>	23 <sup>13</sup> / <sub>32</sub>	4	4½	–	37
7216-6	3	9¼	18½	19 <sup>1</sup> / <sub>32</sub>	6 <sup>7</sup> / <sub>16</sub>	23 <sup>29</sup> / <sub>32</sub>	4½	4 <sup>13</sup> / <sub>16</sub>	–	41
7216-7‡	4	9¼	18½	19 <sup>17</sup> / <sub>32</sub>	7 <sup>1</sup> / <sub>8</sub>	25 <sup>21</sup> / <sub>32</sub>	5¾	8 <sup>21</sup> / <sub>32</sub>	–	85

‡ Threaded companion flanges included in regulator price.

DIMENSIONS SHOWN ARE SUBJECT TO CHANGE. PLEASE OBTAIN CERTIFIED PRINTS FROM FIVES NORTH AMERICAN COMBUSTION, INC. IF SPACE LIMITATIONS OR OTHER CONSIDERATIONS MAKE EXACT DIMENSION(S) CRITICAL.