

302 Wall/Ceiling Register

Face Jet Velocity		300	400	500	600	700	800	900	1000	1100	1200
Total Pressure Loss		0.06	0.01	0.016	0.022	0.031	0.040	0.05	0.062	0.075	0.09
Size	Free Area										
<b>6x6</b>	<b>CFM</b>	<b>45</b>	<b>50</b>	<b>60</b>	<b>75</b>	<b>82</b>	<b>95</b>	<b>102</b>	<b>115</b>	<b>130</b>	<b>145</b>
	Throw	5	5.5	6.5	7.5	9	10	11.5	12.5	14	15.5
	Ak 0.115 NC	30	30	30	30	30	30	30	30	30	30
<b>8x4</b>	<b>CFM</b>	<b>30</b>	<b>46</b>	<b>55</b>	<b>65</b>	<b>75</b>	<b>85</b>	<b>95</b>	<b>105</b>	<b>120</b>	<b>130</b>
	Throw	5	5.5	6.5	7.5	9	10	11.5	12.5	14	15.5
	Ak 0.107 NC	30	30	30	30	30	30	30	30	30	30
<b>8x6</b>	<b>CFM</b>	<b>50</b>	<b>60</b>	<b>70</b>	<b>85</b>	<b>95</b>	<b>110</b>	<b>125</b>	<b>135</b>	<b>150</b>	<b>165</b>
	Throw	5	6	7	8	9.5	10.5	12	13	14.5	16
	Ak 0.138 NC	30	30	30	30	30	30	30	30	30	30
<b>8x8</b>	<b>CFM</b>	<b>70</b>	<b>85</b>	<b>110</b>	<b>130</b>	<b>150</b>	<b>170</b>	<b>195</b>	<b>215</b>	<b>235</b>	<b>260</b>
	Throw	6	7	8	9	10	11	12.5	13.5	15	16.5
	Ak 0.215 NC	30	30	30	30	30	30	30	30	30	30
<b>10x4</b>	<b>CFM</b>	<b>40</b>	<b>55</b>	<b>65</b>	<b>80</b>	<b>90</b>	<b>105</b>	<b>120</b>	<b>130</b>	<b>145</b>	<b>160</b>
	Throw	5	6	7	8.5	9.5	11	12.5	13.5	15.5	17
	Ak 0.132 NC	30	30	30	30	30	30	30	30	30	30
<b>10x6</b>	<b>CFM</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>180</b>	<b>200</b>	<b>220</b>	<b>240</b>
	Throw	5	6.5	8.5	10	11.5	13.5	15	16	18	20
	Ak 0.200 NC	30	30	30	30	30	30	30	30	35	35
<b>10x8</b>	<b>CFM</b>	<b>90</b>	<b>105</b>	<b>130</b>	<b>160</b>	<b>185</b>	<b>210</b>	<b>240</b>	<b>265</b>	<b>290</b>	<b>315</b>
	Throw	7	7.5	9.5	11.5	13	15	17	19	21	23
	Ak 0.264 NC	30	30	30	30	30	30	30	30	35	35
<b>10x10</b>	<b>CFM</b>	<b>100</b>	<b>130</b>	<b>165</b>	<b>200</b>	<b>230</b>	<b>265</b>	<b>295</b>	<b>330</b>	<b>365</b>	<b>395</b>
	Throw	7	8	10	12	13.5	15.5	17.5	20	22	24
	Ak 0.330 NC	30	30	30	30	30	30	30	30	35	35
<b>12x6</b>	<b>CFM</b>	<b>70</b>	<b>95</b>	<b>120</b>	<b>140</b>	<b>165</b>	<b>190</b>	<b>210</b>	<b>235</b>	<b>260</b>	<b>280</b>
	Throw	6	7	9	10.5	12.5	14.5	16	18	20	22
	Ak 0.235 NC	30	30	30	30	30	30	30	30	35	35
<b>12x8</b>	<b>CFM</b>	<b>110</b>	<b>130</b>	<b>160</b>	<b>190</b>	<b>225</b>	<b>255</b>	<b>290</b>	<b>320</b>	<b>350</b>	<b>385</b>
	Throw	8	8.5	10.5	12.5	14.5	16.5	19	21	23	25
	Ak 0.320 NC	30	30	30	30	30	30	30	30	35	35
<b>12x10</b>	<b>CFM</b>	<b>120</b>	<b>155</b>	<b>190</b>	<b>220</b>	<b>270</b>	<b>305</b>	<b>330</b>	<b>385</b>	<b>420</b>	<b>450</b>
	Throw	8	9	11	13	15	17	20	23	25	28
	Ak 0.385 NC	30	30	30	30	30	30	30	30	35	35
<b>12x12</b>	<b>CFM</b>	<b>135</b>	<b>180</b>	<b>225</b>	<b>270</b>	<b>315</b>	<b>360</b>	<b>405</b>	<b>450</b>	<b>495</b>	<b>540</b>
	Throw	9	10	12	14	16	18	22	25	28	31
	Ak 0.452 NC	30	30	30	30	30	30	30	30	35	35
<b>14x6</b>	<b>CFM</b>	<b>90</b>	<b>110</b>	<b>140</b>	<b>170</b>	<b>195</b>	<b>225</b>	<b>260</b>	<b>285</b>	<b>315</b>	<b>340</b>
	Throw	7	8	10.5	12.5	15	17	18.5	20	22	24
	Ak 0.295 NC	30	30	30	30	30	30	30	30	35	35
<b>14x8</b>	<b>CFM</b>	<b>110</b>	<b>145</b>	<b>180</b>	<b>220</b>	<b>255</b>	<b>290</b>	<b>330</b>	<b>365</b>	<b>400</b>	<b>435</b>
	Throw	8	8.5	11	13	15.5	17.5	20	22	24	26
	Ak 0.365 NC	30	30	30	30	30	30	30	30	35	35
<b>14x14</b>	<b>CFM</b>	<b>160</b>	<b>195</b>	<b>250</b>	<b>300</b>	<b>345</b>	<b>395</b>	<b>440</b>	<b>490</b>	<b>540</b>	<b>585</b>
	Throw	9	10	12	15	17	19	23	25	27	29
	Ak 0.480 NC	30	30	30	30	30	30	30	30	35	35
<b>16x16</b>	<b>CFM</b>	<b>215</b>	<b>255</b>	<b>320</b>	<b>385</b>	<b>445</b>	<b>510</b>	<b>570</b>	<b>635</b>	<b>700</b>	<b>760</b>
	Throw	10	11	13	16	18	21	23	25	29	32
	Ak 0.725 NC	30	30	30	30	30	30	30	30	35	35

Pressure Loss is for registers only and is total of static and velocity measured in inches water gage. Throw is distance in feet to a terminal velocity of 50fpm. Face Jet Velocity is the velocity in feet/minute measured at the face.