

Appareils de sécurité

Security device

Soupape pression/dépression

Vacuum pressure relief valve

Tableau récapitulatif des ressorts de la soupape pression/dépression :

List of vacuum pressure relief valve springs :

| Pression Pressure | | Clamp DN2" et 2"1/2 - DIN DN50 2" & 2"1/2 clamp - DN50 DIN | | Clamp DN4" 4" clamp | |
|----------------------|-------|---|-----------------|------------------------|-----------------|
| bar | psi | Numéro Number | Courbe Curve | Numéro Number | Courbe Curve |
| 0,05 | 0,72 | - | - | - | - |
| 0,102 | 1,48 | - | - | - | - |
| 0,2 | 2,9 | - | - | 7007824 | yes |
| 0,5 | 7,25 | - | - | 7601117 | yes |
| 0,7 | 10,15 | 7007816 | yes | - | - |
| 1 | 14,5 | 7007817 | yes | 7007808 | yes |
| 1,2 | 17,4 | - | - | - | - |
| 1,3 | 18,85 | - | - | 7007803 | no |
| 1,4 | 20,3 | 7007818 | yes | - | - |
| 1,7 | 24,65 | - | - | 7007794 | no |
| 1,8 | 26,1 | 7007819 | no | - | - |
| 2 | 29 | - | - | 7007789 | yes |
| 2,5 | 36,25 | 7007820 | no | - | - |
| 2,75 | 39,9 | - | - | 7007829 | yes |
| 3 | 43,5 | - | - | - | - |

100 kPa = 1 bar = 14,5 psi

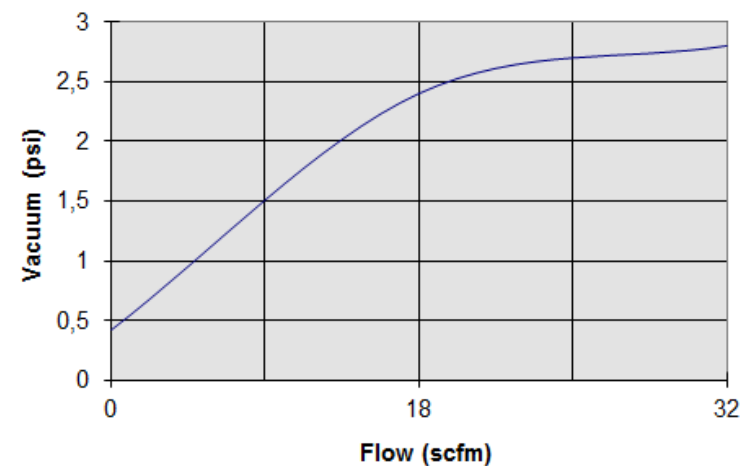
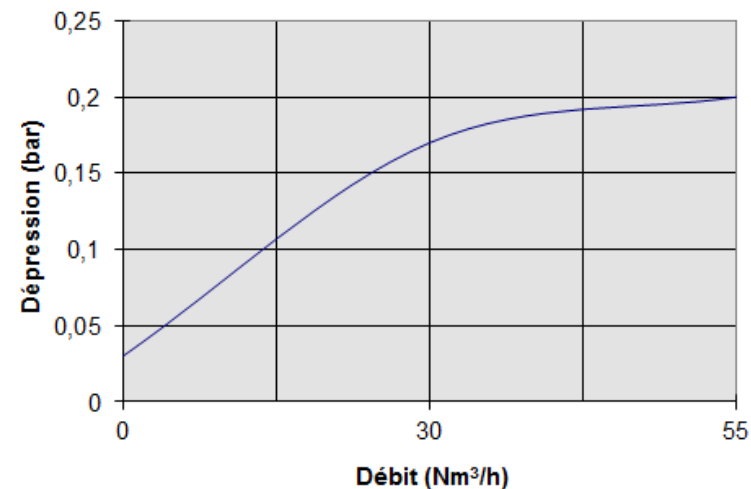
| | | | | | | |
|------------|-----------------------|----------------------|-----------------------|-----------------------|----------|--|
| Création | Ajout pages 9 & 10 | Mise à jour 2 & 6 | Mise à jour Page 7 | Ajout 0.5 bar DN4" | | |
| 1 | 2 | 3 | 4 | 5 | | |
| 2005/01/01 | 2006/05/10 | 2006/07/17 | 2008/30/06 | 31/04/2012 | | |
| CROZIER N. | FONTENIT S. | CROZIER N. | FONTENIT S. | FONTENIT S. | | |
| NDT-173 | | | | | Indice 6 | |

Soupape pression/dépression DN2" - 2"1/2 et 50 DIN

Vacuum pressure relief valve 2" - 2"1/2 and DIN50

⊕ **Dépression :** 30 mbar (ressort 7007729)
 Vacuum : 0,435 psi (spring 7007729)

| Point | Dépression (bar) | Vacuum (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|------------------|--------------|----------------------------------|-------------------------------------|
| 0 | 0,03 | 0,42 | 0 | 0 |
| 1 | 0,17 | 2,4 | 30 | 18 |
| 2 | 0,2 | 2,8 | 55 | 32 |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

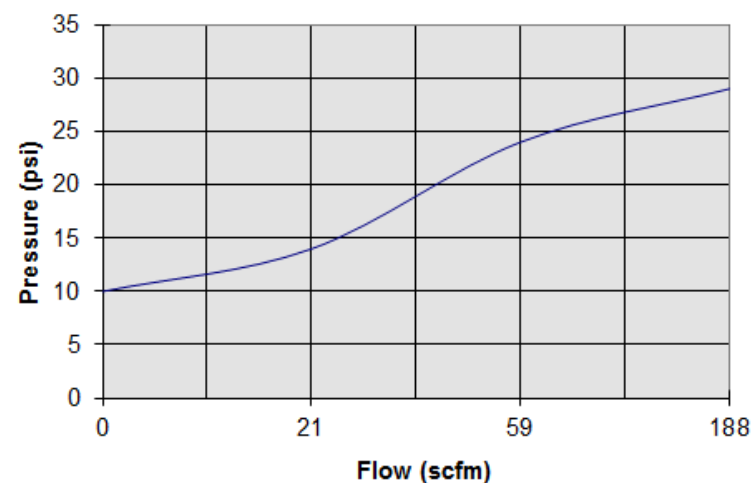
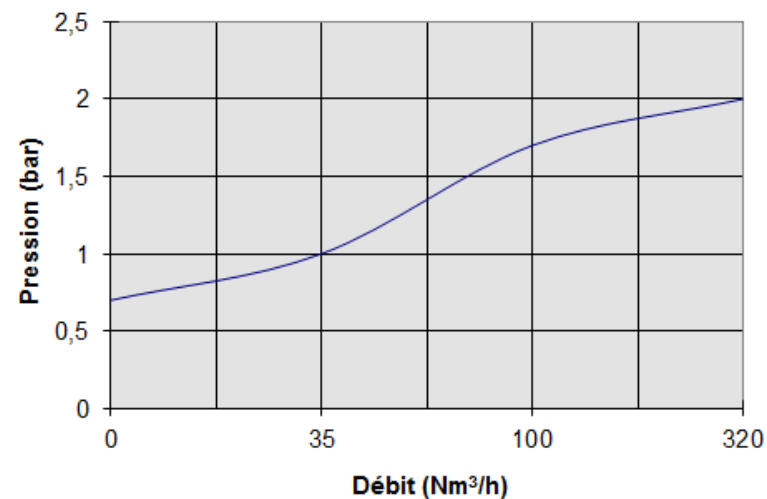


Soupape pression/dépression DN2" - 2"1/2 et 50 DIN

Vacuum pressure relief valve 2" - 2"1/2 and DIN50

⊕ **Pression :** **0,7 bar** (ressort 7007816)
Pressure : *10,15 psi* (spring 7007816)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|-------------------|-------------------|-------------------------------------|--|
| 0 | 0,7 | 10 | 0 | 0 |
| 1 | 1 | 14 | 35 | 21 |
| 2 | 1,7 | 24 | 100 | 59 |
| 3 | 2 | 29 | 320 | 188 |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

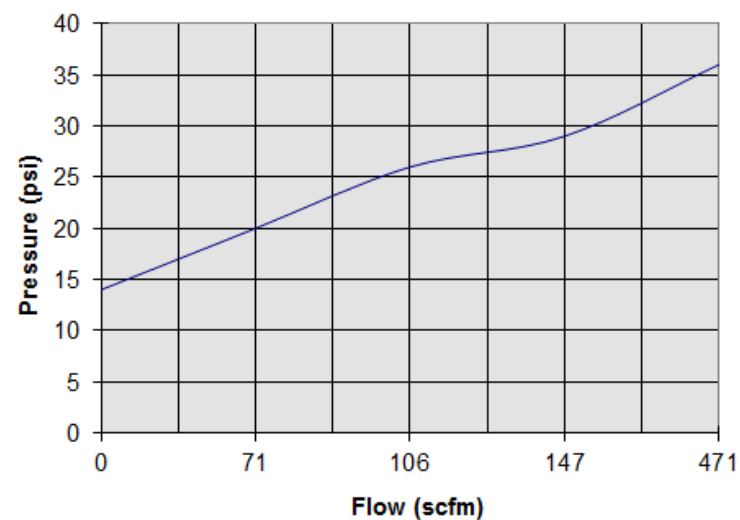
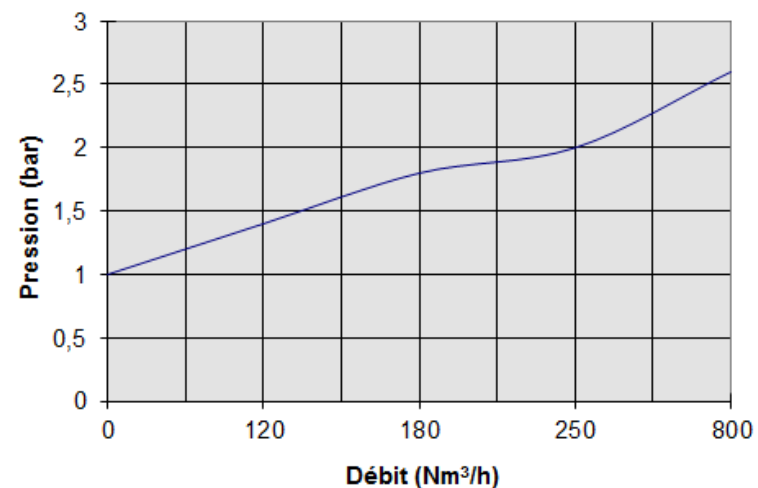


Soupape pression/dépression DN2" - 2"1/2 et 50 DIN

Vacuum pressure relief valve 2" - 2"1/2 and DIN50

⊕ **Pression :** **1 bar** (ressort 7007817)
Pressure : *14,5 psi* (*spring 7007817*)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|----------------|----------------|----------------------------------|-------------------------------------|
| 0 | 1 | 14 | 0 | 0 |
| 1 | 1,4 | 20 | 120 | 71 |
| 2 | 1,8 | 26 | 180 | 106 |
| 3 | 2 | 29 | 250 | 147 |
| 4 | 2,6 | 36 | 800 | 471 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

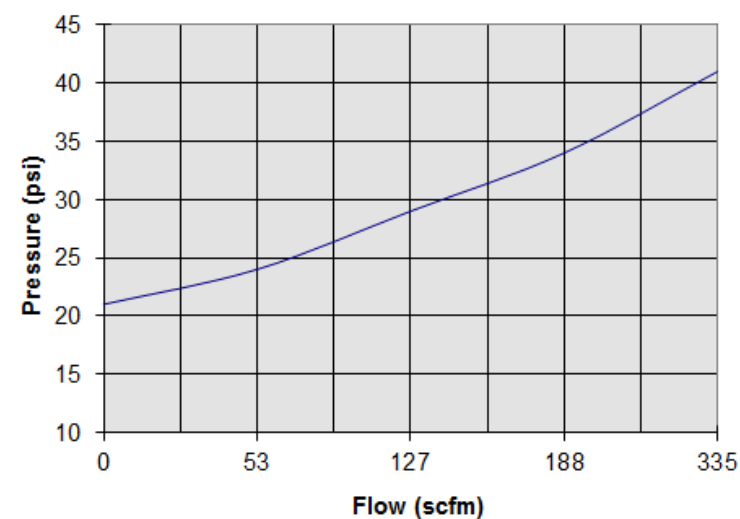
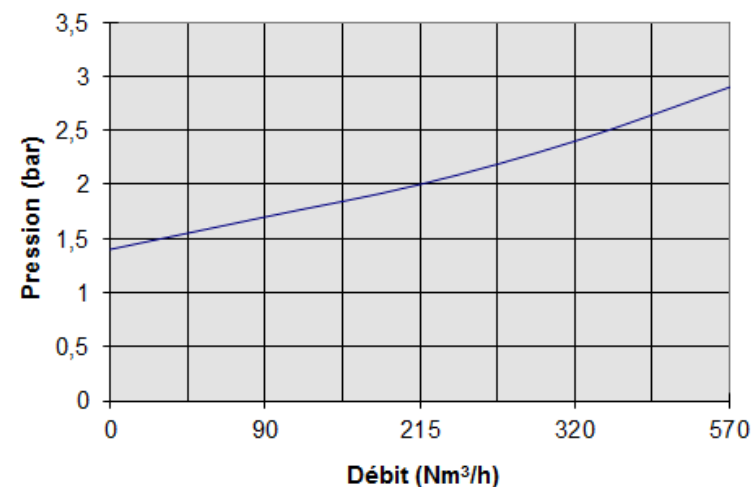


Soupape pression/dépression DN2" - 2"1/2 et 50 DIN

Vacuum pressure relief valve 2" - 2"1/2 and DIN50

⊕ **Pression :** **1,4 bar** (ressort 7007818)
Pressure : **20,3 psi** (spring 7007818)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|----------------|----------------|----------------------------------|-------------------------------------|
| 0 | 1,4 | 21 | 0 | 0 |
| 1 | 1,7 | 24 | 90 | 53 |
| 2 | 2 | 29 | 215 | 127 |
| 3 | 2,4 | 34 | 320 | 188 |
| 4 | 2,9 | 41 | 570 | 335 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

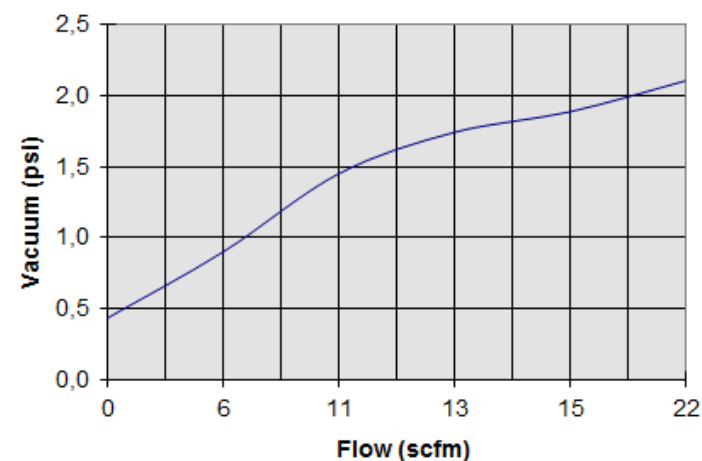
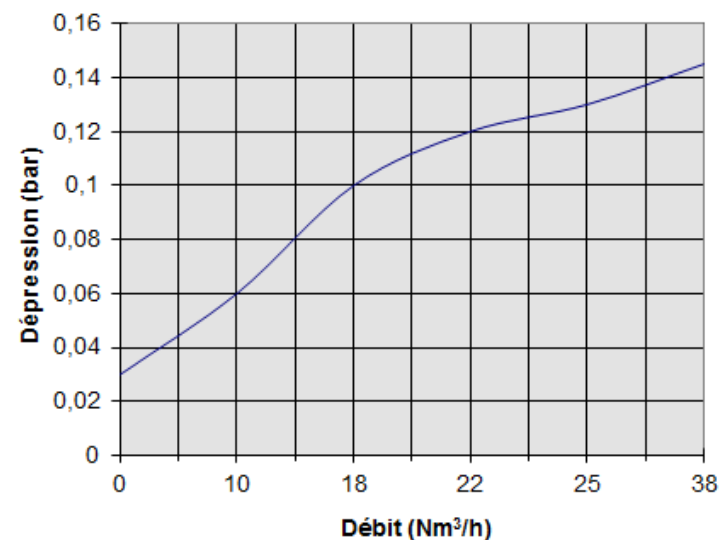


Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Dépression :** **30 mbar** (ressort 7007814)
Vacuum : **0,435 psi** (spring 7007814)

| Point | Dépression (bar) | Vacuum (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|---------------------|-----------------|-------------------------------------|--|
| 0 | 0,03 | 0,4 | 0 | 0 |
| 1 | 0,06 | 0,9 | 10 | 6 |
| 2 | 0,1 | 1,5 | 18 | 11 |
| 3 | 0,12 | 1,7 | 22 | 13 |
| 4 | 0,13 | 1,9 | 25 | 15 |
| 5 | 0,145 | 2,1 | 38 | 22 |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

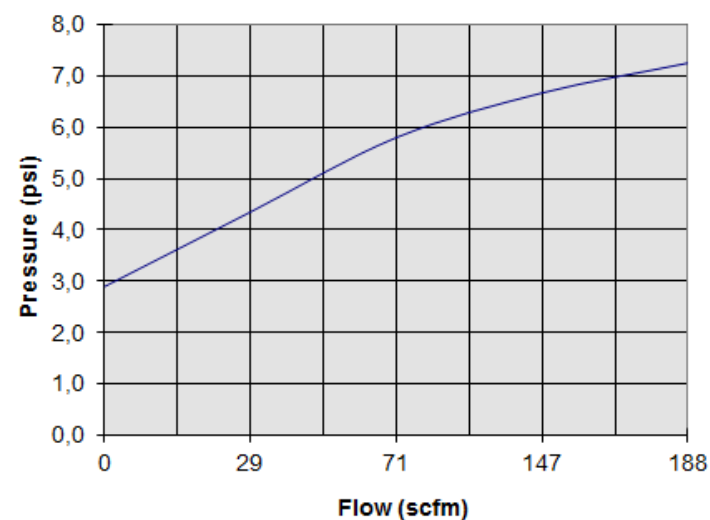
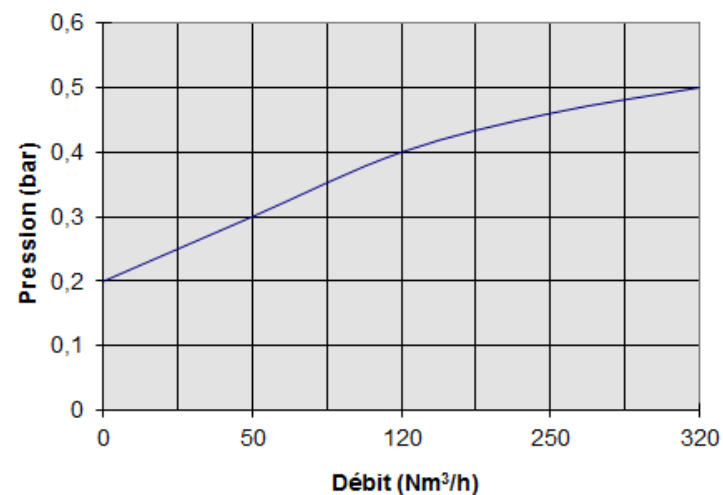


Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Pression :** **0,2 bar** (ressort 7007824)
 Pressure : **2,9 psi** (spring 7007824)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|----------------|----------------|----------------------------------|-------------------------------------|
| 0 | 0,2 | 2,9 | 0 | 0 |
| 1 | 0,3 | 4,4 | 50 | 29 |
| 2 | 0,4 | 5,8 | 120 | 71 |
| 3 | 0,46 | 6,7 | 250 | 147 |
| 4 | 0,5 | 7,3 | 320 | 188 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

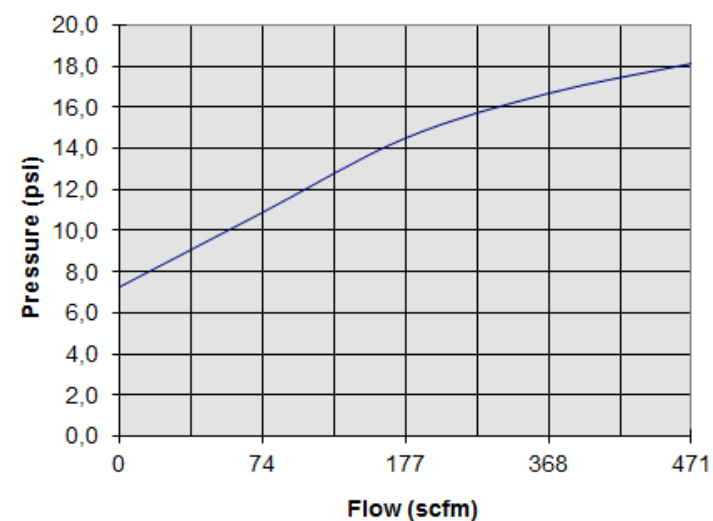
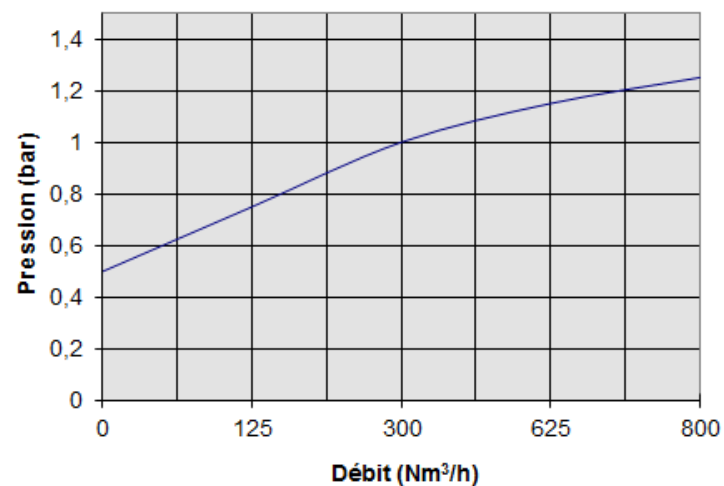


Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Pression :** **0,5 bar** (ressort 7601117)
 Pressure : 7,25 psi (spring 7601117)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|-------------------|-------------------|-------------------------------------|--|
| 0 | 0,5 | 7,3 | 0 | 0 |
| 1 | 0,75 | 10,9 | 125 | 74 |
| 2 | 1 | 14,5 | 300 | 177 |
| 3 | 1,15 | 16,7 | 625 | 368 |
| 4 | 1,25 | 18,1 | 800 | 471 |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |

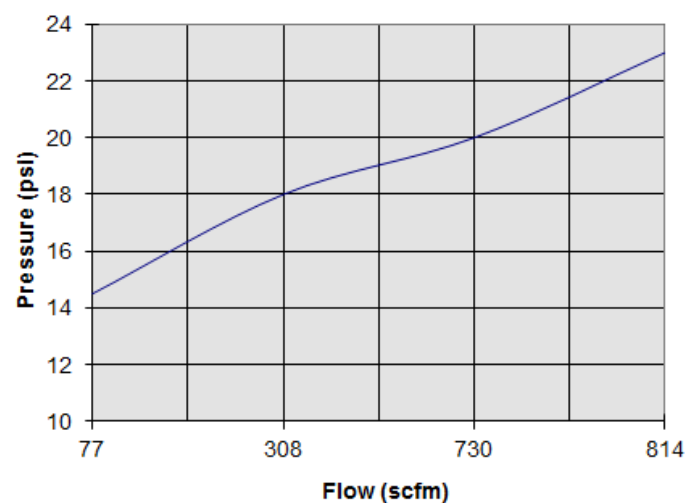
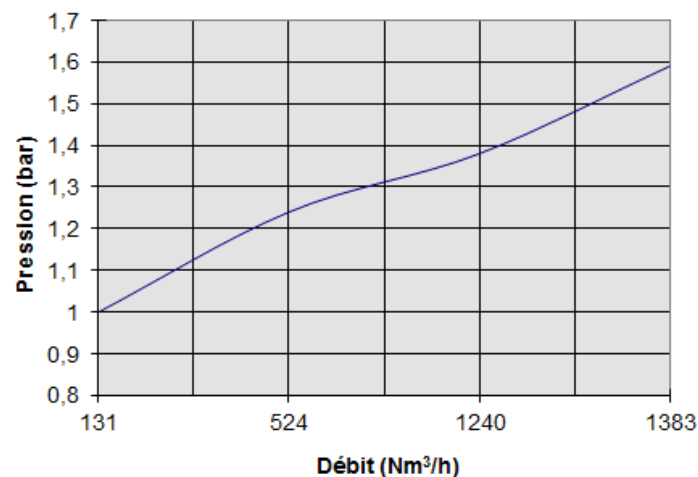


Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Pression :** **1 bar** (ressort 7007808)
 Pressure : 14,5 psi (spring 7007808)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|-------------------|-------------------|-------------------------------------|--|
| 0 | 1 | 14,5 | 131 | 77 |
| 1 | 1,24 | 18 | 524 | 308 |
| 2 | 1,38 | 20 | 1240 | 730 |
| 3 | 1,59 | 23 | 1383 | 814 |
| 4 | | | | |
| 5 | | | | |
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| 9 | | | | |
| 10 | | | | |

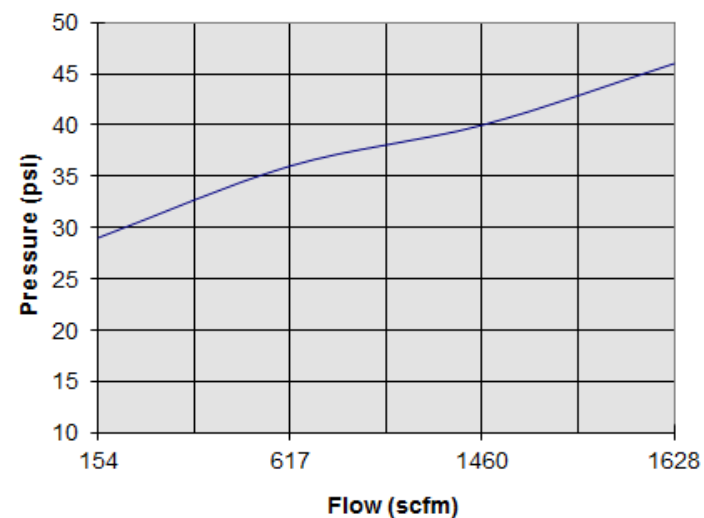
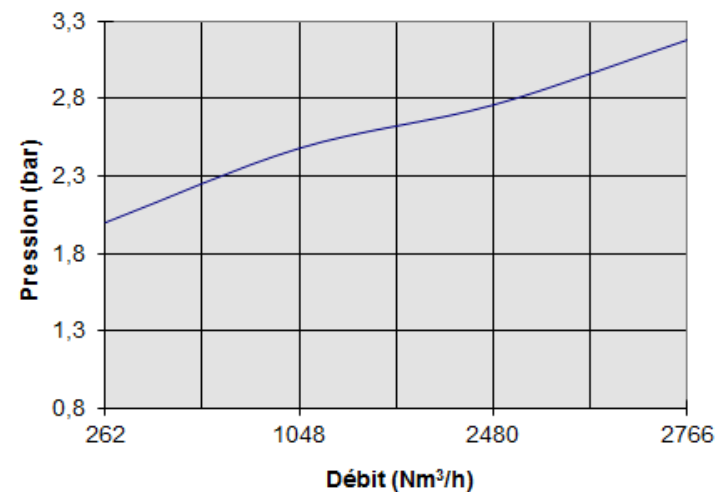


Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Pression :** **2 bar** (ressort 7007789)
 Pressure : 29 psi (spring 7007789)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|----------------|----------------|----------------------------------|-------------------------------------|
| 0 | 2 | 29 | 262 | 154 |
| 1 | 2,48 | 36 | 1048 | 617 |
| 2 | 2,76 | 40 | 2480 | 1460 |
| 3 | 3,18 | 46 | 2766 | 1628 |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |



Soupape pression/dépression DN4"

Vacuum pressure relief valve 4"

⊕ **Pression :** **2,7 bar** (ressort 7007829)
 Pressure : **39 psi** (spring 7007829)

| Point | Pression (bar) | Pressure (psi) | Débit (air) (Nm ³ /h) | Flow (air) (feet ³ /min) |
|-------|-------------------|-------------------|-------------------------------------|--|
| 0 | 2,7 | 39,15 | 353,7 | 208 |
| 1 | 3,348 | 48,6 | 1414,8 | 833 |
| 2 | 3,726 | 54 | 3348 | 1971 |
| 3 | 4,293 | 62,1 | 3734,1 | 2198 |
| 4 | | | | |
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| 10 | | | | |

