

## 10. Equilibrado hidráulico dinámico de instalaciones

### 10.1. Cartuchos metálicos ALPHA de ajuste de caudal

#### Cartuchos TIPO 50 para válvulas de DN50-800

FRESE - Rango de presión: 13-600 kPa.

| REFERENCIA | CAUDAL |       | Mín.<br>$\Delta P$ kPa | Kv    | CÓDIGO  |
|------------|--------|-------|------------------------|-------|---------|
|            | l/h    | l/s   |                        |       |         |
| 52-55179   | 3820   | 1,061 | 13                     | 10,60 | 0155179 |
| 52-55184   | 3931   | 1,092 | 13                     | 10,90 | 0155184 |
| 52-55189   | 4049   | 1,125 | 13                     | 11,20 | 0155189 |
| 52-55194   | 4199   | 1,167 | 13                     | 11,70 | 0155194 |
| 52-55200   | 4399   | 1,222 | 13                     | 12,20 | 0155200 |
| 52-55206   | 4640   | 1,289 | 14                     | 12,40 | 0155206 |
| 52-55213   | 4951   | 1,375 | 14                     | 13,20 | 0155213 |
| 52-55220   | 5310   | 1,475 | 14                     | 14,20 | 0155220 |
| 52-55227   | 5700   | 1,583 | 14                     | 15,20 | 0155227 |
| 52-55235   | 6209   | 1,725 | 14                     | 16,60 | 0155235 |
| 52-55243   | 6511   | 1,808 | 14                     | 17,40 | 0155243 |
| 52-55251   | 7081   | 1,967 | 14                     | 18,90 | 0155251 |
| 52-55260   | 7901   | 2,194 | 15                     | 20,40 | 0155260 |
| 52-55269   | 8900   | 2,472 | 16                     | 22,30 | 0155269 |
| 52-55279   | 10399  | 2,889 | 19                     | 23,90 | 0155279 |
| 52-55287   | 11355  | 3,154 | 22                     | 24,20 | 0155287 |
| 52-55292   | 12491  | 3,470 | 23                     | 26,10 | 0155292 |
| 52-55298   | 13399  | 3,722 | 24                     | 27,40 | 0155298 |
| 52-55303   | 14762  | 4,100 | 27                     | 28,40 | 0155303 |
| 52-55308   | 15999  | 4,444 | 29                     | 29,70 | 0155308 |

#### Cartuchos TIPO 60 para válvulas de DN50-800

FRESE - Rango de presión: 34-600 kPa.

| REFERENCIA | CAUDAL |        | Mín.<br>$\Delta P$ kPa | Kv    | CÓDIGO  |
|------------|--------|--------|------------------------|-------|---------|
|            | l/h    | l/s    |                        |       |         |
| 52-66285   | 17037  | 4,733  | 34                     | 29,20 | 0166285 |
| 52-66292   | 18148  | 5,041  | 34                     | 31,10 | 0166292 |
| 52-66301   | 18797  | 5,221  | 35                     | 31,80 | 0166301 |
| 52-66305   | 19467  | 5,408  | 35                     | 32,90 | 0166305 |
| 52-66312   | 20464  | 5,684  | 35                     | 34,60 | 0166312 |
| 52-66319   | 21527  | 5,980  | 36                     | 35,90 | 0166319 |
| 52-66326   | 22449  | 6,236  | 36                     | 37,40 | 0166326 |
| 52-66332   | 23482  | 6,523  | 36                     | 39,10 | 0166332 |
| 52-66338   | 24531  | 6,815  | 37                     | 40,30 | 0166338 |
| 52-66344   | 25621  | 7,117  | 38                     | 41,60 | 0166344 |
| 52-66349   | 26528  | 7,369  | 38                     | 43,00 | 0166349 |
| 52-66356   | 27686  | 7,690  | 38                     | 44,90 | 0166356 |
| 52-66362   | 29157  | 8,099  | 38                     | 47,30 | 0166362 |
| 52-66367   | 29954  | 8,320  | 39                     | 48,00 | 0166367 |
| 52-66373   | 30976  | 8,605  | 39                     | 49,60 | 0166373 |
| 52-66379   | 32260  | 8,961  | 40                     | 51,00 | 0166379 |
| 52-66385   | 33565  | 9,324  | 40                     | 53,00 | 0166385 |
| 52-66391   | 34953  | 9,709  | 40                     | 55,30 | 0166391 |
| 52-66393   | 36336  | 10,093 | 42                     | 56,10 | 0166393 |
| 52-66398   | 37685  | 10,468 | 43                     | 57,50 | 0166398 |
| 52-66400   | 38607  | 10,724 | 44                     | 58,20 | 0166400 |
| 52-66407   | 40971  | 11,381 | 46                     | 60,40 | 0166407 |
| 52-66407H  | 45000  | 12,500 | 49                     | 64,30 | 0166408 |



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