

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SYSTEMS**

UKŁADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

**PV3****SCREW/ISO 14541/STEEL**

INNESTI A VITE/ACCIAIO  
SCREW COUPLINGS/STEEL  
SCHRAUBKUPPLUNGEN/STAHL  
COUPLEURS À VISSER/ACIER

**Caratteristiche tecniche****I**

- Norma: ISO 14541 (DN06→DN20)
- Occlusione: valvola
- Aggancio: a vite
- Materiale: acciaio
- Finitura: Zn-Fe (Cr III)
- Filettature: BSP-NPT-SAE-METRICHE
- Guarnizioni standard: NBR
- Temperatura d'esercizio: -25°C+100°C
- Guarnizioni opzionali: FKM, EPDM o altro.
- Pressioni di esercizio: 300-450 bar
- Connessione in pressione residua: consentita (lato maschio o lato femmina)

**Technical data****E**

- Standard: ISO 14541 (DN06→DN20)
- Occlusion: poppet
- Locking: screw
- Material: steel
- Finishing: Zn-Fe (Cr III)
- Threads: BSP-NPT-SAE-METRICS
- Standard seals: NBR
- Working temperature: -25°C+100°C
- Optional seals: FKM, EPDM or more.
- Working pressure: 300-450 bar
- Connection under residual pressure: allowed (both male or female side)

**Technische Merkmale****D**

- Norm: ISO 14541 (DN06→DN20)
- Verschluss: ventil
- Verriegelung: Schraubweise
- Werkstoff: Stahl
- Ausführung: Zn-Fe (Cr III)
- Gewinde: BSP-NPT-SAE-METRISCHE
- Standard-Dichtungen: NBR
- Betriebstemperatur: -25°C+100°C
- Dichtungen nach Wahl: FKM, EPDM, usw.
- Betriebsdruck: 300-450 bar
- Kuppeln unter Restdruck: erlaubt (Steckerseite oder Muffenseite)

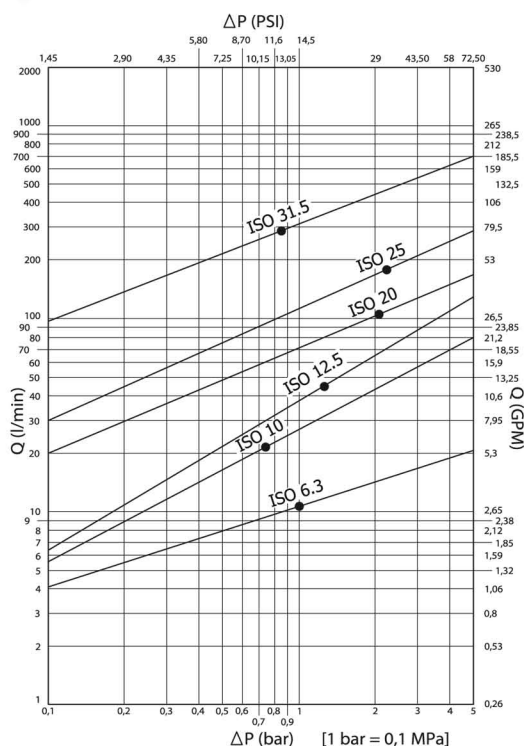
**Caractéristiques techniques****F**

- Norme: ISO 14541 (DN06→DN20)
- Obturation: clapet
- Accrochage: à visser
- Matériel: acier
- Traitement: Zn-Fe (Cr III)
- Taraudage: BSP-NPT-SAE-METRIQUES
- Joints standard: NBR
- Température de service: -25°C+100°C
- Joints facultatifs: FKM, EPDM, ect.
- Pression de service: 300-450 bar
- Connexion sous pression résiduelle: possible (côté male ou femelle)

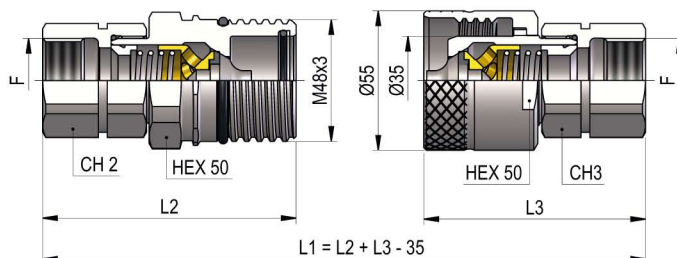


| Nominal size |    |      |      | Max working pressure | Rated flow | Max flow rate | Min burst pressure |        |         | Fluid spillage |
|--------------|----|------|------|----------------------|------------|---------------|--------------------|--------|---------|----------------|
| DNP          | BG | ISO  | mm   |                      |            |               | Male               | Female | Coupled |                |
| 06           | 1  | 6.3  | 5    | 45                   | 12         | 17            | 190                | 270    | 250     | 0.80           |
| 10           | 2  | 10   | 8.5  | 40                   | 23         | 46            | 130                | 150    | 180     | 1.40           |
| 13           | 3  | 12.5 | 10.5 | 40                   | 45         | 90            | 120                | 150    | 140     | 2.70           |
| 20           | 4  | 19   | 15.7 | 30                   | 100        | 190           | 100                | 130    | 140     | 9.30           |
| 25           | 5  | 25   | 17.3 | 30                   | 189        | 280           | 100                | 130    | 140     | 16.00          |
| 30           | 6  | 31.5 | 29.6 | 30                   | 288        | 480           | 100                | 100    | 100     | 30.00          |

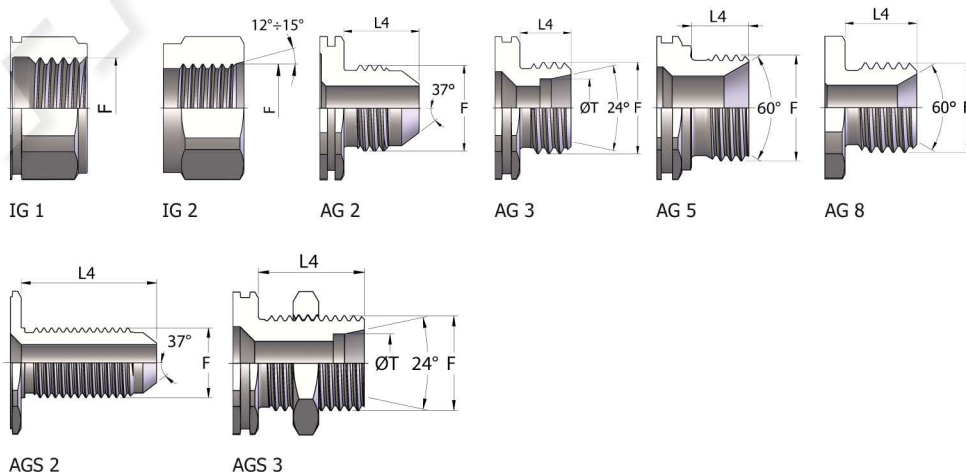
1 MPa = 145.04 psi • 1 l = 0.264 gal



PVV3 DN25 - BG 5 - ISO 25 (T)

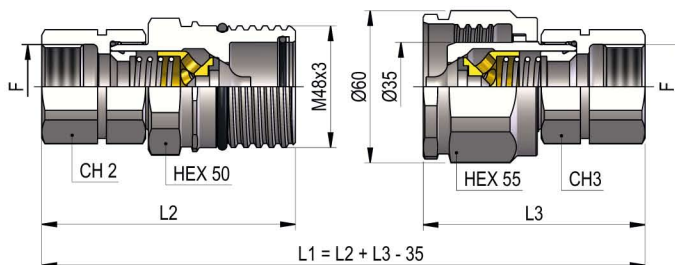


| THREADS | CH2 | L2    | CH3 | L3    | L4   | ØT  | F               | STANDARD     | FEMMINA - FEMALE - MUFFE - FEMELLE |            |                 | MASCHIO - MALE - STECKER - MALE |            |                 |
|---------|-----|-------|-----|-------|------|-----|-----------------|--------------|------------------------------------|------------|-----------------|---------------------------------|------------|-----------------|
|         |     |       |     |       |      |     |                 |              | COD. F                             | Weight (g) | Packaging (pcs) | COD. M                          | Weight (g) | Packaging (pcs) |
| IG 1    | 41  | 100   | 41  | 87.5  |      |     | BSP 3/4"        | DIN 3852-2   | PVV3.2519.112                      | 823        | 10              | PVV3.2519.113 T                 | 696        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | NPT 3/4"        | ANSI B1.20.1 | PVV3.2519.012                      | 830        | 10              | PVV3.2519.013 T                 | 703        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | Rc 3/4"         | EN 10226-2   | PVV3.2519.042                      | 829        | 10              | PVV3.2519.043 T                 | 703        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | M24x1.5         | DIN 3852-1   | PVV3.2524.102                      | 842        | 10              | PVV3.2524.103 T                 | 717        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | BSP 1"          | DIN 3852-2   | PVV3.2525.112                      | 768        | 10              | PVV3.2525.113 T                 | 641        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | NPT 1"          | ANSI B1.20.1 | PVV3.2525.012                      | 780        | 10              | PVV3.2525.013 T                 | 654        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | M30x1.5         | DIN 3852-1   | PVV3.2530.102                      | 795        | 10              | PVV3.2530.103 T                 | 669        | 18              |
| IG 2    | 41  | 100   | 41  | 87.5  |      |     | 1"1/16-12 UN 2B | SAE J 1926-1 | PVV3.2527.032                      | 816        | 10              | PVV3.2527.033 T                 | 690        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | 1"5/16-12 UN 2B | SAE J 1926-1 | PVV3.2533.032                      | 757        | 10              | PVV3.2533.033 T                 | 631        | 18              |
| AG 2    | 41  | 104.1 | 41  | 91.6  | 23.1 |     | 1"5/16-12 UN 2A | ISO 8434-2   | PVV3.2533.302                      | 757        | 10              | PVV3.2533.303 T                 | 630        | 18              |
| AGS 2   | 41  | 126.4 | 41  | 113.9 | 45.4 |     | 1"5/16-12 UN 2A | ISO 8434-2   | PVV3.2533.502                      | 869        | 10              | PVV3.2533.503 T                 | 728        | 10              |
| AG 3    | 41  | 93    | 41  | 80.5  | 12   | 18L | M26x1.5         | ISO 8434-1-L | PVV3.2526.302                      | 718        | 10              | PVV3.2526.303 T                 | 591        | 18              |
|         | 41  | 95    | 41  | 82.5  | 14   | 22L | M30x2           | ISO 8434-1-L | PVV3.2530.302                      | 723        | 10              | PVV3.2530.303 T                 | 596        | 18              |
|         | 41  | 95    | 41  | 82.5  | 14   | 28L | M36x2           | ISO 8434-1-L | PVV3.2536.302                      | 728        | 10              | PVV3.2536.303 T                 | 601        | 18              |
|         | 46  | 97    | 46  | 84.5  | 16   | 35L | M45x2           | ISO 8434-1-L | PVV3.2545.302                      | 816        | 10              | PVV3.2545.303 T                 | 690        | 18              |
|         | 41  | 97    | 41  | 84.5  | 16   | 20S | M30x2           | ISO 8434-1-S | PVV3.2530.402                      | 734        | 10              | PVV3.2530.403 T                 | 607        | 18              |
|         | 41  | 99    | 41  | 86.5  | 18   | 25S | M36x2           | ISO 8434-1-S | PVV3.2536.402                      | 757        | 10              | PVV3.2536.403 T                 | 630        | 18              |
|         | 46  | 101   | 46  | 88.5  | 20   | 30S | M42x2           | ISO 8434-1-S | PVV3.2542.402                      | 837        | 10              | PVV3.2542.403 T                 | 711        | 18              |
|         | 55  | 103   | 55  | 90.5  | 22   | 38S | M52x2           | ISO 8434-1-S | PVV3.2552.402                      | 1025       | 10              | PVV3.2552.403 T                 | 898        | 18              |
|         | 41  | 115   | 41  | 102.5 | 34   | 18L | M26x1.5         | ISO 8434-1-L | PVV3.2526.502                      | 806        | 10              | PVV3.2526.503 T                 | 679        | 10              |
| AGS 3   | 41  | 115   | 41  | 102.5 | 34   | 22L | M30x2           | ISO 8434-1-L | PVV3.2530.502                      | 831        | 10              | PVV3.2530.503 T                 | 705        | 10              |
|         | 41  | 115   | 41  | 102.5 | 34   | 28L | M36x2           | ISO 8434-1-L | PVV3.2536.502                      | 869        | 10              | PVV3.2536.503 T                 | 742        | 10              |
|         | 46  | 121   | 46  | 108.5 | 40   | 35L | M45x2           | ISO 8434-1-L | PVV3.2545.502                      | 1083       | 10              | PVV3.2545.503 T                 | 957        | 10              |
|         | 41  | 117   | 41  | 104.5 | 36   | 20S | M30x2           | ISO 8434-1-S | PVV3.2530.602                      | 848        | 10              | PVV3.2530.603 T                 | 722        | 10              |
|         | 41  | 119   | 41  | 106.5 | 38   | 25S | M36x2           | ISO 8434-1-S | PVV3.2536.602                      | 910        | 10              | PVV3.2536.603 T                 | 783        | 10              |
|         | 46  | 121   | 46  | 108.5 | 40   | 30S | M42x2           | ISO 8434-1-S | PVV3.2542.602                      | 1019       | 10              | PVV3.2542.603 T                 | 893        | 10              |
|         | 55  | 134   | 55  | 121.5 | 53   | 38S | M52x2           | ISO 8434-1-S | PVV3.2552.602                      | 1416       | 10              | PVV3.2552.603 T                 | 1289       | 10              |
|         | 41  | 102   | 41  | 89.5  | 18   |     | BSP 1"          | DIN 3852-2-B | PVV3.2525.212                      | 765        | 10              | PVV3.2525.213 T                 | 639        | 18              |
| AG 5    | 41  | 100   | 41  | 87.5  | 16   |     | BSP 3/4"        | DIN 3852-2-A | PVV3.2519.712                      | 741        | 10              | PVV3.2519.713 T                 | 615        | 18              |
|         | 41  | 102   | 41  | 89.5  | 18   |     | BSP 1"          | DIN 3852-2-A | PVV3.2525.712                      | 767        | 10              | PVV3.2525.713 T                 | 641        | 18              |
| AG 8    | 41  | 98    | 41  | 85.5  | 17   |     | BSP 1"          | BS B5200     | PVV3.2525.702                      | 740        | 10              | PVV3.2525.703 T                 | 614        | 18              |
|         | 41  | 94    | 41  | 81.5  | 14   |     | M30x1.5         | DIN 7631     | PVV3.2530.702                      | 730        | 10              | PVV3.2530.703 T                 | 604        | 18              |



THREADS

PVV3 DN25 - BG 5 - ISO 25 (E)



| THREADS | CH2 | L2    | CH3 | L3    | L4   | ØT  | F               | STANDARD     | FEMMINA - FEMALE - MUFFE - FEMELLE |            |                 | MASCHIO - MALE - STECKER - MALE |            |                 |
|---------|-----|-------|-----|-------|------|-----|-----------------|--------------|------------------------------------|------------|-----------------|---------------------------------|------------|-----------------|
|         |     |       |     |       |      |     |                 |              | COD. F                             | Weight (g) | Packaging (pcs) | COD. M                          | Weight (g) | Packaging (pcs) |
| IG 1    | 41  | 100   | 41  | 87.5  |      |     | BSP 3/4"        | DIN 3852-2   | PVV3.2519.112                      | 823        | 10              | PVV3.2519.113 E                 | 743        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | NPT 3/4"        | ANSI B1.20.1 | PVV3.2519.012                      | 830        | 10              | PVV3.2519.013 E                 | 750        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | RC 3/4"         | EN 10226-2   | PVV3.2519.042                      | 829        | 10              | PVV3.2519.043 E                 | 750        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | M24x1.5         | DIN 3852-1   | PVV3.2524.102                      | 842        | 10              | PVV3.2524.103 E                 | 763        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | BSP 1"          | DIN 3852-2   | PVV3.2525.112                      | 768        | 10              | PVV3.2525.113 E                 | 688        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | NPT 1"          | ANSI B1.20.1 | PVV3.2525.012                      | 780        | 10              | PVV3.2525.013 E                 | 700        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | M30x1.5         | DIN 3852-1   | PVV3.2530.102                      | 795        | 10              | PVV3.2530.103 E                 | 715        | 18              |
| IG 2    | 41  | 100   | 41  | 87.5  |      |     | 1"1/16-12 UN 2B | SAE J 1926-1 | PVV3.2527.032                      | 816        | 10              | PVV3.2527.033 E                 | 736        | 18              |
|         | 41  | 100   | 41  | 87.5  |      |     | 1"5/16-12 UN 2B | SAE J 1926-1 | PVV3.2533.032                      | 757        | 10              | PVV3.2533.033 E                 | 677        | 18              |
| AG 2    | 41  | 104.1 | 41  | 91.6  | 23.1 |     | 1"5/16-12 UN 2A | ISO 8434-2   | PVV3.2533.302                      | 757        | 10              | PVV3.2533.303 E                 | 677        | 18              |
| AGS 2   | 41  | 126.4 | 41  | 113.9 | 45.4 |     | 1"5/16-12 UN 2A | ISO 8434-2   | PVV3.2533.502                      | 869        | 10              | PVV3.2533.503 E                 | 791        | 10              |
| AG 3    | 41  | 93    | 41  | 80.5  | 12   | 18L | M26x1.5         | ISO 8434-1-L | PVV3.2526.302                      | 718        | 10              | PVV3.2526.303 E                 | 638        | 18              |
|         | 41  | 95    | 41  | 82.5  | 14   | 22L | M30x2           | ISO 8434-1-L | PVV3.2530.302                      | 723        | 10              | PVV3.2530.303 E                 | 643        | 18              |
|         | 41  | 95    | 41  | 82.5  | 14   | 28L | M36x2           | ISO 8434-1-L | PVV3.2536.302                      | 728        | 10              | PVV3.2536.303 E                 | 648        | 18              |
|         | 46  | 97    | 46  | 84.5  | 16   | 35L | M45x2           | ISO 8434-1-L | PVV3.2545.302                      | 816        | 10              | PVV3.2545.303 E                 | 736        | 18              |
|         | 41  | 97    | 41  | 84.5  | 16   | 20S | M30x2           | ISO 8434-1-S | PVV3.2530.402                      | 734        | 10              | PVV3.2530.403 E                 | 654        | 18              |
|         | 41  | 99    | 41  | 86.5  | 18   | 25S | M36x2           | ISO 8434-1-S | PVV3.2536.402                      | 757        | 10              | PVV3.2536.403 E                 | 677        | 18              |
|         | 46  | 101   | 46  | 88.5  | 20   | 30S | M42x2           | ISO 8434-1-S | PVV3.2542.402                      | 837        | 10              | PVV3.2542.403 E                 | 757        | 18              |
|         | 55  | 103   | 55  | 90.5  | 22   | 38S | M52x2           | ISO 8434-1-S | PVV3.2552.402                      | 1025       | 10              | PVV3.2552.403 E                 | 945        | 18              |
| AGS 3   | 41  | 115   | 41  | 102.5 | 34   | 18L | M26x1.5         | ISO 8434-1-L | PVV3.2526.502                      | 806        | 10              | PVV3.2526.503 E                 | 726        | 10              |
|         | 41  | 115   | 41  | 102.5 | 34   | 22L | M30x2           | ISO 8434-1-L | PVV3.2530.502                      | 831        | 10              | PVV3.2530.503 E                 | 751        | 10              |
|         | 41  | 115   | 41  | 102.5 | 34   | 28L | M36x2           | ISO 8434-1-L | PVV3.2536.502                      | 869        | 10              | PVV3.2536.503 E                 | 789        | 10              |
|         | 46  | 121   | 46  | 108.5 | 40   | 35L | M45x2           | ISO 8434-1-L | PVV3.2545.502                      | 1083       | 10              | PVV3.2545.503 E                 | 1003       | 10              |
|         | 41  | 117   | 41  | 104.5 | 36   | 20S | M30x2           | ISO 8434-1-S | PVV3.2530.602                      | 848        | 10              | PVV3.2530.603 E                 | 768        | 10              |
|         | 41  | 119   | 41  | 106.5 | 38   | 25S | M36x2           | ISO 8434-1-S | PVV3.2536.602                      | 910        | 10              | PVV3.2536.603 E                 | 830        | 10              |
|         | 46  | 121   | 46  | 108.5 | 40   | 30S | M42x2           | ISO 8434-1-S | PVV3.2542.602                      | 1019       | 10              | PVV3.2542.603 E                 | 939        | 10              |
|         | 55  | 134   | 55  | 121.5 | 53   | 38S | M52x2           | ISO 8434-1-S | PVV3.2552.602                      | 1416       | 10              | PVV3.2552.603 E                 | 1336       | 10              |
| AG 5    | 41  | 102   | 41  | 89.5  | 18   |     | BSP 1"          | DIN 3852-2-B | PVV3.2525.212                      | 765        | 10              | PVV3.2525.213 E                 | 685        | 18              |
|         | 41  | 100   | 41  | 87.5  | 16   |     | BSP 3/4"        | DIN 3852-2-A | PVV3.2519.712                      | 741        | 10              | PVV3.2519.713 E                 | 661        | 18              |
|         | 41  | 102   | 41  | 89.5  | 18   |     | BSP 1"          | DIN 3852-2-A | PVV3.2525.712                      | 767        | 10              | PVV3.2525.713 E                 | 687        | 18              |
| AG 8    | 41  | 98    | 41  | 85.5  | 17   |     | BSP 1"          | BS B5200     | PVV3.2525.702                      | 740        | 10              | PVV3.2525.703 E                 | 660        | 18              |
|         | 41  | 94    | 41  | 81.5  | 14   |     | M30x1.5         | DIN 7631     | PVV3.2530.702                      | 730        | 10              | PVV3.2530.703 E                 | 650        | 18              |

