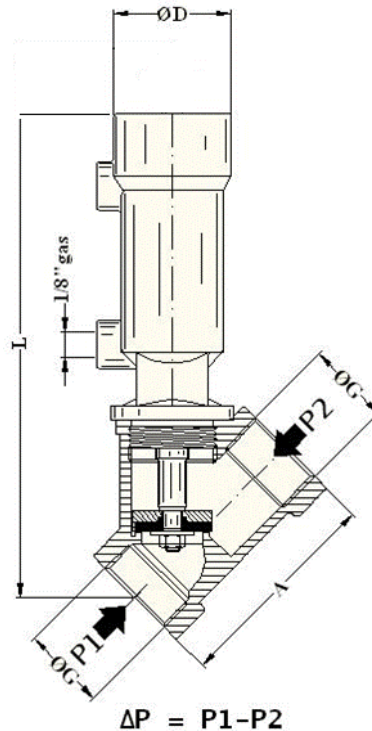


NRY.....CX

ANGLE SEAT VALVE SUITABLE FOR SANITATION AND EXTERNAL WASHING PROCESS

Max fluid temperature

+80°C



| | |
|----------------------------|-----------------------------|
| Sizes | 1/2" - 2" (PN16) |
| Pipe threads | F/F gas ISO228 |
| Angle | yes 16....CX |
| Right-angled | not |
| Normally closed (NC) | yes cod. ..1.... |
| Normally open (NO) | yes cod. ..2.... |
| Double acting (DA) | yes cod. ..3.... |
| Ambient temperature | 0° / +60°C |
| Pilot pressure | Min 5 bar - Max 8 bar |
| Valve body | Nickel-plated brass |
| Spacer | not |
| Rotable cylinder | not |
| Seal holder | Nickel-plated brass |
| Piston | Aluminium |
| Cylinder | Heat-stabilized nylon 66 |
| Piston rod | Stainless steel aisi 304 |
| Cylinder botton | Stainless steel aisi 304 |
| Circlip | Stainless steel aisi 316 |
| Rod wiper | not |
| Rod guide | not |
| Internal o-rings | Fkm |
| Shutter seal | Fkm (on request Ptfе, Epdm) |
| Stem for visual indication | no / not |

NR-Y-CX-NC. Closing against flow

| Codice Code | Filett. [gas] Gas pipe thread | DN | A | L (max) | D | Ø cilindro Ø cylinder | ΔP Max [bar] | V.aria(1) [NI/ciclo] V.air(1) NI/stroke | kv(2) [m ³ /h] |
|----------------|----------------------------------|----|-----|------------|------|--------------------------|-----------------|--------------------------------------------|------------------------------|
| 161012CX | 1/2" | 15 | 56 | 174 | 41.5 | 30 | 14.1 | 0.0318 | 3.6 |
| 161034CX | 3/4" | 20 | 68 | 169 | 41.5 | 30 | 6.6 | 0.0366 | 6.5 |
| 161100CX | 1" | 25 | 78 | 178 | 41.5 | 30 | 4.4 | 0.0247 | 9.5 |
| 161114CX | 1"1/4 | 32 | 100 | 199 | 41.5 | 30 | 2.7 | 0.0199 | 15.1 |
| 161112CX | 1"1/2 | 40 | 110 | 212 | 46.5 | 33 | 2.1 | 0.0323 | 23.7 |
| 161200CX | 2" | 50 | 124 | 237 | 46.5 | 33 | 1.2 | 0.0323 | 42.1 |

NR-Y-CX-NC-Z. Closing with flow

(water hammer risk with not-compressible fluids)

| Codice Code | Filett. [gas] Gas pipe thread | DN | ΔP [bar] | | | | | | V.aria(1) [NI/ciclo] V.air(1) NI/stroke |
|----------------|----------------------------------|----|-------------------------------------------------------|-----|-----|-----|------|------|--------------------------------------------|
| | | | 1.0 | 2.0 | 5.0 | 8.0 | 13.0 | 16.0 | |
| | | | Press. Pilota Minima [bar] / Min Pilot Pressure [bar] | | | | | | |
| 161012CXZ | 1/2" | 15 | 2.8 | 2.9 | 3.1 | 3.3 | 3.7 | 3.9 | 0.0323 |
| 161034CXZ | 3/4" | 20 | 3.0 | 3.2 | 4.1 | 4.9 | 6.3 | 7.2 | 0.0370 |
| 161100CXZ | 1" | 25 | 3.4 | 4.0 | 5.6 | 7.2 | 9.9 | - | 0.0299 |
| 161114CXZ | 1"1/4 | 32 | 4.0 | 5.0 | 8.0 | - | - | - | 0.0228 |
| 161112CXZ | 1"1/2 | 40 | 4.4 | 5.7 | 9.3 | - | - | - | 0.0311 |
| 161200CXZ | 2" | 50 | 5.5 | 7.7 | - | - | - | - | 0.0164 |

NR-Y-CX-NO. Closing against flow

| Codice Code | Filett. [gas] Gas pipe thread | DN | Pressione Pilota [bar] / Pilot Pressure [bar] | | | | | | V.aria(1) [NI/ciclo] V.air(1) NI/stroke | kv ⁽²⁾ [m ³ /h] |
|----------------|----------------------------------|----|-----------------------------------------------|------|------|-----|-----|------|--------------------------------------------|------------------------------------------|
| | | | 4.0 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | | |
| | | | ΔP Max [bar] | | | | | | | |
| 162012CX | 1/2" | 15 | 6.2 | 11.3 | 13.9 | ≤16 | ≤16 | ≤16 | 0.0306 | 3.5 |
| 162034CX | 3/4" | 20 | 2.5 | 5.0 | 6.2 | 7.4 | 9.9 | 12.4 | 0.0354 | 6.4 |
| 162100CX | 1" | 25 | 1.5 | 3.0 | 3.8 | 4.6 | 6.1 | 7.6 | 0.0354 | 10.5 |
| 162114CX | 1"1/4 | 32 | 1.2 | 2.1 | 2.6 | 3.0 | 3.9 | 4.8 | 0.0259 | 16.4 |
| 162112CX | 1"1/2 | 40 | 0.5 | 1.2 | 1.6 | 2.0 | 2.8 | 3.5 | 0.0558 | 27.5 |
| 162200CX | 2" | 50 | 0.3 | 0.7 | 0.9 | 1.1 | 1.6 | 2.0 | 0.0558 | 48.8 |

(1) → The air-consumption (V.AIR) is calculated assuming that the air inside the cylinder expands adiabatically from a pressure of 5,5 [bar] to atmospheric pressure (Patm = 1,01325 [bar], at the temperature of 20°C)

(2) → The flow factor Kv, is the flow rate of water in cubic metres per hour at a pressure drop of one bar across the valve, with temperature ranging = 5-30°C and density = 1000 kg/m³.

NR-Y-CX-DA. Closing against flow

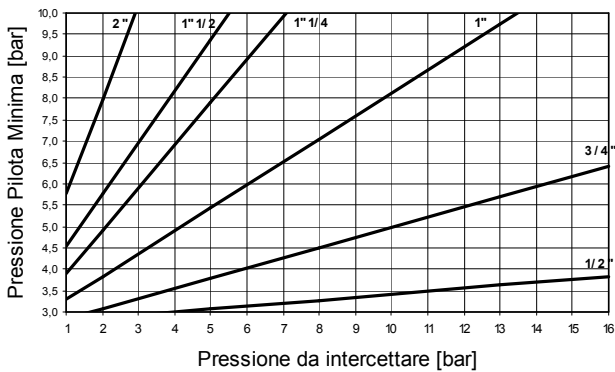
| Codice Code | Filett. [gas] Gas pipe thread | DN | Pressione Pilota [bar] / Pilot Pressure [bar] | | | | | | V.aria(1) [NI/ciclo] V.air(1) NI/stroke | k _v ⁽²⁾ [m ³ /h] |
|----------------|----------------------------------|----|-----------------------------------------------|------|------|------|------|------|--------------------------------------------|------------------------------------------------------|
| | | | 4.0 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | | |
| | | | ΔP Max [bar] | | | | | | | |
| 163012CX | 1/2" | 15 | ≤16 | ≤16 | ≤16 | ≤16 | ≤16 | ≤16 | 0.0612 | 3.5 |
| 163034CX | 3/4" | 20 | 8.1 | 10.6 | 11.8 | 13.0 | 15.5 | ≤16 | 0.0707 | 6.4 |
| 163100CX | 1" | 25 | 5.0 | 6.5 | 7.2 | 8.0 | 9.5 | 11.0 | 0.0707 | 10.5 |
| 163114CX | 1"1/4 | 32 | 2.9 | 3.8 | 4.3 | 4.7 | 5.6 | 6.5 | 0.0518 | 16.4 |
| 163112CX | 1"1/2 | 40 | 2.6 | 3.4 | 3.8 | 4.1 | 4.9 | 5.7 | 0.1115 | 27.5 |
| 163200CX | 2" | 50 | 1.5 | 1.9 | 2.1 | 2.3 | 2.8 | 3.2 | 0.1115 | 48.8 |

NR-Y-CX-DA. Closing with flow

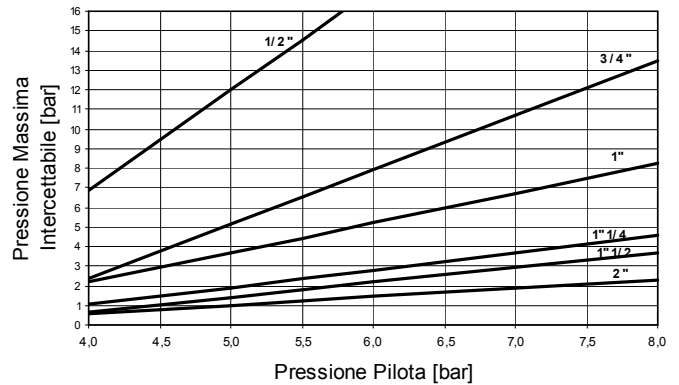
(water hammer risk with not-compressible fluids)

| Codice Code | Filett. [gas] Gas pipe thread | DN | ΔP [bar] | | | | | | V.aria(1) [NI/ciclo] V.air(1) NI/stroke |
|----------------|----------------------------------|----|-------------------------------------------------------|-----|-----|-----|------|------|--------------------------------------------|
| | | | 1.0 | 2.0 | 5.0 | 8.0 | 13.0 | 16.0 | |
| | | | Press. Pilota Minima [bar] / Min Pilot Pressure [bar] | | | | | | |
| 163012CX | 1/2" | 15 | 0.8 | 0.9 | 1.1 | 1.3 | 1.6 | 1.8 | 0.0612 |
| 163034CX | 3/4" | 20 | 1.0 | 1.3 | 2.1 | 3.0 | 4.4 | 5.2 | 0.0707 |
| 163100CX | 1" | 25 | 1.3 | 1.8 | 3.4 | 5.0 | 7.7 | 9.3 | 0.0707 |
| 163114CX | 1"1/4 | 32 | 1.7 | 2.7 | 5.7 | 8.7 | - | - | 0.0518 |
| 163112CX | 1"1/2 | 40 | 1.8 | 3.0 | 6.6 | - | - | - | 0.1115 |
| 163200CX | 2" | 50 | 2.8 | 5.0 | - | - | - | - | 0.1115 |

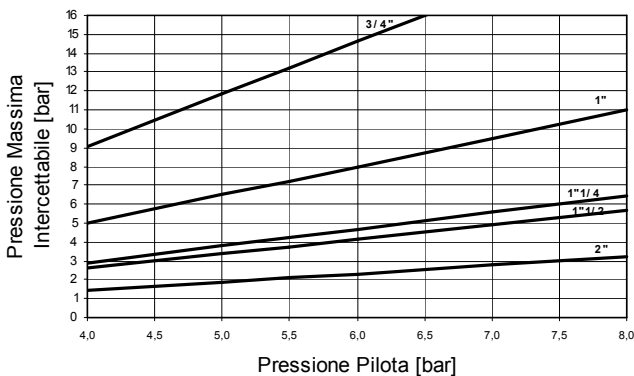
NR-Y-CX-NC-Z-Ingresso Sopra Otturatore
NR-Y-CX-NC-Z Closing with flow



NR-Y-CX-NA-Ingresso Sotto Otturatore
NR-Y-CX-NO Closing against flow



NR-Y-CX-DE-Ingresso Sotto Otturatore
NR-Y-CX-DA Closing against flow
(1/2" sempre verificato a PN16/always verified at PN16)



NR-Y-CX-DE Ingresso Sopra Otturatore
NR-Y-CX-DA Closing with flow

