

RECTUS SERIES 21

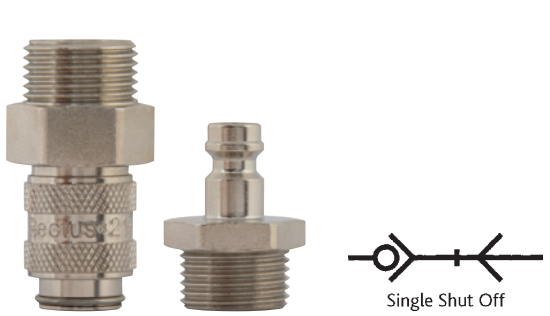


Brass/Steel Low Pressure Quick Release Couplings, Nominal Diameter 5 = 20mm²

Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants. Series 21 with additional end connections available on request.

Working Temperature:
 -20°C up to +100°C (NBR) depending on the medium.
 For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Working Pressure:
 35 bar
 Series KA: maximum static working pressure with design factor 4 to 1.



Series 21KA

Interchangeability:

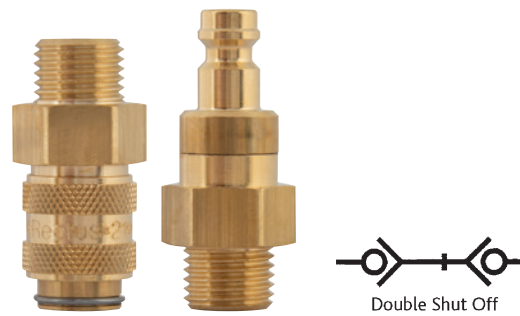
- Camozzi
- Ewo
- Kani

Material:

- Coupling: brass
- Plug: brass
- Seals: NBR

Technical Description:

- Connecting force 0 bar: 35 N
- Connecting force 6 bar: 60 N
- Vacuum coupling: 96%
- Vacuum connected: 96%



Series 21KB

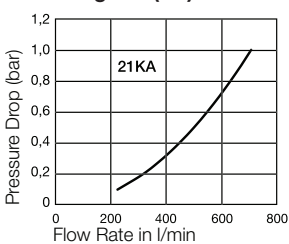
Material:

- Coupling: brass
- Plug: brass
- Seals: NBR

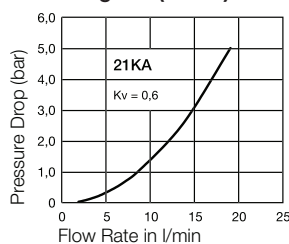
Technical Description:

- Dead space volume: 0.6 ml
- Connecting force 0 bar: 40 N
 Connecting force 6 bar: 80 N
- Vacuum coupling: 96%
- Vacuum plug: 96%
- Vacuum connected: 96%

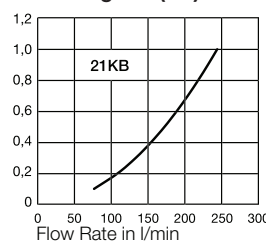
Flow Diagram (Air)



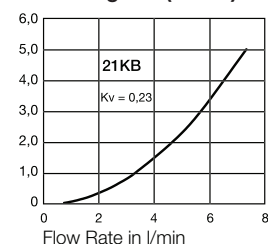
Flow Diagram (Water)



Flow Diagram (Air)

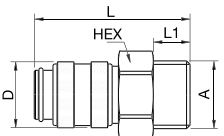
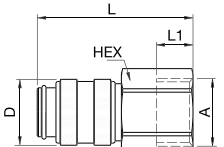
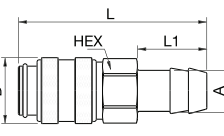
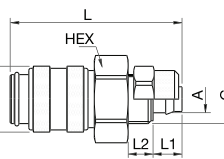


Flow Diagram (Water)



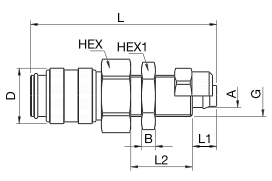
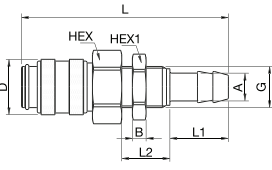
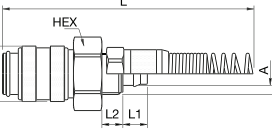
Couplings, with Valve

Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|--------------|--------|---------|------|-------|-------|------|------|----------|---------------|-------------|
|  <p>Male Thread</p> | G 1/8 | 14 | | 36 | 7 | | 16 | | | blank | 21KBAW10MPX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | nickel plated | 21KBAW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KBAW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KBAW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KBAW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KBAW17MPN |
| | M 10 x 1 | 14 | | 37 | 8 | | 16 | | | blank | 21KBAD10MPX |
| | M 10 x 1 | 14 | | 37 | 8 | | 16 | | | nickel plated | 21KBAD10MPN |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KBAD12MPX |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KBAD12MPN |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KBAD14MPX |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KBAD14MPN |
|  <p>Female Thread</p> | G 1/8 | 14 | | 36 | 9 | | 16 | | | blank | 21KBIW10MPX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | nickel plated | 21KBIW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KBIW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KBIW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KBIW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KBIW17MPN |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | blank | 21KBIM12MPX |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | nickel plated | 21KBIM12MPN |
|  <p>Hose Barb</p> | 4 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF04MPX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF04MPN |
| | 5 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF05MPX |
| | 5 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF05MPN |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF06MPX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF06MPN |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF08MPX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF08MPN |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF09MPX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF09MPN |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF10MPX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF10MPN |
|  <p>with Plastic Hose Connection</p> | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKO06MPX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKO06MPN |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | blank | 21KBKO08MPX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | nickel plated | 21KBKO08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

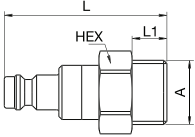
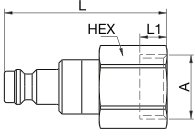
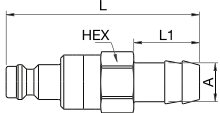
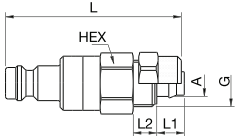
Couplings, with Valve

Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|--|--------------|--------|---------|------|-------|-------|------|------|----------|---------------|-------------|
|  <p>Panel Mount with Plastic Hose Connection</p> | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | blank | 21KBKS06MPX |
| | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | nickel plated | 21KBKS06MPN |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | blank | 21KBKS08MPX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | nickel plated | 21KBKS08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  <p>Panel Mount with Hose Barb</p> | 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | blank | 21KBTS04MPX |
| | 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | nickel plated | 21KBTS04MPN |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS05MPX |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS05MPN |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS06MPX |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS06MPN |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS08MPX |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS08MPN |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS09MPX |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS09MPN |
|  <p>Plastic Hose Connection with Spring Guard</p> | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKK06MPX |
| | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKK06MPN |
| | M 12 x 1 | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKK08MPX |
| | M 12 x 1 | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKK08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

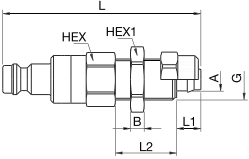
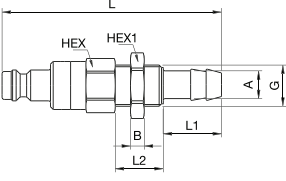
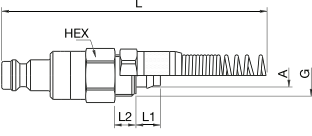
Plugs, without Valve

Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|--|-----------|------------|---------|----------|----------|---------|---------|---------------|---------------|-------------|
|  <p>Male Thread</p> | G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SBAW10MPX |
| | G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SBAW10MPN |
| | G 1/4 | 17 | | 42 | 9 | | | | | blank | 21SBAW13MPX |
| | G 1/4 | 17 | | 42 | 9 | | | | | nickel plated | 21SBAW13MPN |
| | G 3/8 | 19 | | 42 | 9 | | | | | blank | 21SBAW17MPX |
| | G 3/8 | 19 | | 42 | 9 | | | | | nickel plated | 21SBAW17MPN |
| | M 10 x 1 | 14 | | 41 | 8 | | | | | blank | 21SBAD10MPX |
| | M 10 x 1 | 14 | | 41 | 8 | | | | | nickel plated | 21SBAD10MPN |
| | M 12 x 1,5 | 17 | | 43 | 10 | | | | | blank | 21SBAD12MPX |
| | M 12 x 1,5 | 17 | | 43 | 10 | | | | | nickel plated | 21SBAD12MPN |
| | M 14 x 1,5 | 17 | | 43 | 10 | | | | | blank | 21SBAD14MPX |
| M 14 x 1,5 | 17 | | 43 | 10 | | | | | nickel plated | 21SBAD14MPN | |
|  <p>Female Thread</p> | G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SBIW10MPX |
| | G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SBIW10MPN |
| | G 1/4 | 17 | | 42 | 7 | | | | | blank | 21SBIW13MPX |
| | G 1/4 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIW13MPN |
| | G 3/8 | 19 | | 42 | 7 | | | | | blank | 21SBIW17MPX |
| | G 3/8 | 19 | | 42 | 7 | | | | | nickel plated | 21SBIW17MPN |
| | M 12 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SBIM12MPX |
| | M 12 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIM12MPN |
| | M 14 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SBIM14MPX |
| | M 14 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIM14MPN |
| |  <p>Hose Barb</p> | 4 mm | 14 | | 50 | 17 | | | | | blank |
| 4 mm | | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF04MPN |
| 5 mm | | 14 | | 50 | 17 | | | | | blank | 21SBTF05MPX |
| 5 mm | | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF05MPN |
| 6 mm | | 14 | | 50 | 17 | | | | | blank | 21SBTF06MPX |
| 6 mm | | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF06MPN |
| 8 mm | | 14 | | 50 | 17 | | | | | blank | 21SBTF08MPX |
| 8 mm | | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF08MPN |
| 9 mm | | 14 | | 50 | 17 | | | | | blank | 21SBTF09MPX |
| 9 mm | | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF09MPN |
| 10 mm | | 14 | | 50 | 17 | | | | | blank | 21SBTF10MPX |
| 10 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF10MPN | |
|  <p>with Plastic Hose Connection</p> | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | blank | 21SBKO06MPX |
| | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SBKO06MPN |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | blank | 21SBKO08MPX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SBKO08MPN |

Plugs, without Valve

Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|--|-----------------|-----------|------------|---------|----------|----------|---------|---------|----------|---------------|-------------|
|  <p>Panel Mount with Plastic Hose Connection</p> | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | blank | 21SBKS06MPX |
| | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | nickel plated | 21SBKS06MPN |
| | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | blank | 21SBKS08MPX |
| | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | nickel plated | 21SBKS08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  <p>Panel Mount with Hose Barb</p> | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | blank | 21SBTS04MPX |
| | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | nickel plated | 21SBTS04MPN |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SBTS06MPX |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SBTS06MPN |
| | 8 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SBTS08MPX |
| | 8 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SBTS08MPN |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | blank | 21SBTS10MPX |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | nickel plated | 21SBTS10MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  <p>Plastic Hose Connection with Spring Guard</p> | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | blank | 21SBKK06MPX |
| | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SBKK06MPN |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | blank | 21SBKK08MPX |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SBKK08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

$\varnothing = 20 \text{ mm}^2$



Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Series 21 with additional end connections available on request.

Dust Protections (P. 250) for Coupling Part.-No. SK16S

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 21

The following other designs can be found on page:

- ▶ Stainless Steel P. 140
- ▶ Thermoplastic P. 176
- ▶ Safety P. 210
- ▶ Coded Systems P. 234

| KA Single Shut-Off | KB Double Shut-Off | KL Dry-break |
|--|--|--|
| Working Pressure** | | |
| 35 bar ** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| Features | | |
| | | <ul style="list-style-type: none"> Minimal, almost imperceptible leakage when uncoupling No air locked into the system during the coupling process |
| Material | | |
| Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR |
| Technical Description | | |
| Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N | Dead space volume: 0,6 ml Connecting Force 0 bar: 40 N Connecting Force 6 bar: 80 N | Dead space volume: 0,0006 ml Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N |
| Vacuum Coupling: 96% Vacuum connected: 96% | Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96% | Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96% |
| Flow diagrams | | |
| Air | Air | Air |
| Water | Water | Water |

Interchangeability (KA only)

Camozzi
Ewo
Kani

☐ = 20 mm²



Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Series 21 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. SK16S




Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 21

The following other designs can be found from page:

- Stainless Steel P. 140
- Thermoplastic P. 176
- Safety P. 210
- Coded Systems P. 234

|  KA Single Shut-Off |  KB Double Shut-Off |  KL Dry-break |
|---|--|--|
| Working Pressure** | | |
| 35 bar ** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| Features | | |
| | | <ul style="list-style-type: none"> • Minimal, almost imperceptible leakage when uncoupling • No air locked into the system during the coupling process |
| Material | | |
| Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR |
| Technical Description | | |
| Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N | Dead space volume: 0,6 ml Connecting Force 0 bar: 40 N Connecting Force 6 bar: 80 N | Dead space volume: 0,0006 ml Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N |
| Vacuum Coupling: 96% Vacuum connected: 96% | | |

Ø = 20 mm²



Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Series 21 with additional end connections available on request.

Dust Protections (P. 250) for Coupling Part.-No. SK16S




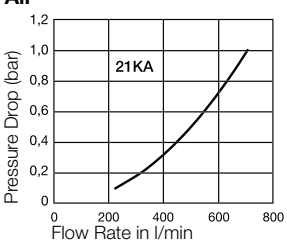
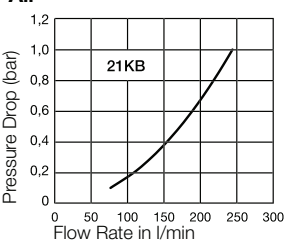
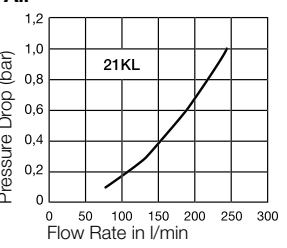
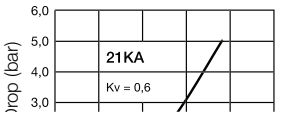
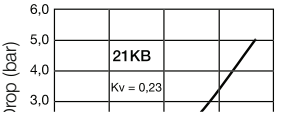
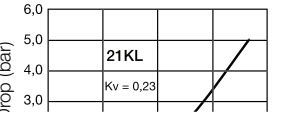
Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 21

The following other designs can be found on page:

- ▶ Stainless Steel P. 140
- ▶ Thermoplastic P. 176
- ▶ Safety P. 210
- ▶ Coded Systems P. 234

|  KA Single Shut-Off |  KB Double Shut-Off |  KL Dry-break |
|---|--|--|
| Working Pressure** | | |
| 35 bar ** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| Features | | |
| | | <ul style="list-style-type: none"> Minimal, almost imperceptible leakage when uncoupling No air locked into the system during the coupling process |
| Material | | |
| Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR | Coupling: Brass Plug: Brass Seals: NBR |
| Technical Description | | |
| Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N | Dead space volume: 0,6 ml Connecting Force 0 bar: 40 N Connecting Force 6 bar: 80 N | Dead space volume: 0,0006 ml Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N |
| Vacuum Coupling: 96% Vacuum connected: 96% | Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96% | Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96% |
| Flow diagrams | | |
| Air  | Air  | Air  |
| Water  | Water  | Water  |

Interchangeability (KA only)

- Camozzi
- Ewo
- Kani

☐ = 20 mm²



Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Series 21 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. SK16S




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