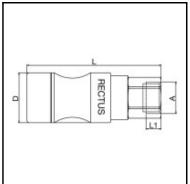
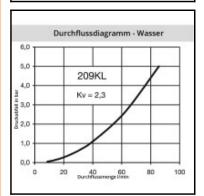
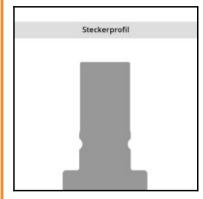


## Datasheet of 209KLIW21MVN Quick coupling with female thread USTRIE









## Description

Quick coupling dry-break double shut-off, female thread G 1/2, nominal diameter 9, <15 bar, brass nickel plated, seal FKM/FPM

Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive medio. Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

## Details

Series long: 9 Bore in mm: 9 Bore area in mm²: 63.5 One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility: RECTUS Design Working pressure: PB = 15 bar maximum static working pressure with safety factor 4 to 1.  Working temperature: asafety factor 4 to 1.  Working temperature: 20°C up to +100°C (NBR) other sealing materials available on request.  Shut-Off. Quick coupling Dry-Break (double shut-off) Connection: Female thread of Whitworth form ISO 228 1/2" Connection description: Female thread of Whitworth form ISO 228 1/2" Connection type: Female thread of Whitworth form ISO 228 1/2" Connection type: Female thread of Whitworth form ISO 228 1/2" Sal description: Brass nickel plated Material description: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material spring snap ring: stainless steel AISI 303 Material balls/pins: Stainless steel AISI 303 Material balls/pins: Stainless steel AISI 420 Material seal: Viton® Weight in kg: 0,3191 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: No Pressure eliminator: No Ultra-FLO-valve: No Ultra-FLO-valve: No Ultra-FLO-valve: No Ultra-FLO-valve: No Pressure eliminator: No	-	
Bore in mm:  Bore area in mm?:  Bore area in mm?:  Sos.5  One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility:  RECTUS Design  Working pressure:  Working pressure:  PB = 15 bar maximum static working pressure with safety factor 4 to 1.  20°C up to 1400°C (NBR) other sealing materials available on request.  Shut-Off:  Quick coupling Dry-Break (double shut-off)  Connection:  Female pipe thread of Whitworth form ISO 228 1/2"  Connection description:  Female pipe thread of Whitworth form ISO 228 1/2"  Connection type:  Female thread Itraed  Material description:  Brass nickel plated  Material description:  Fluoronubber  nickel plated  Material valve body:  Brass nickel plated  Material sleeve:  Material seal:  Viton®  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  No  No  No  No  No  Pressure eliminator:  No	Series:	209
Bore area in mm²:  Bore area in mm²:  One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility:  RECTUS Design  Working pressure:  PB = 15 bar maximum static working pressure with safety factor 4 to 1.  20°C up to +100°C (NBR) other sealing materials available on request.  Shut-Off:  Quick coupling Dry-Break (double shut-off)  Connection:  Female thread 1/2°  Connection type:  Female thread of Whitworth form ISO 228 1/2°  Connection type:  Female thread  Material description:  Brass nickel plated  Material description:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve body:  Brass nickel plated  Material spring snap ring:  Material spring snap ring:  Stainless steel AISI 303  Material spring snap ring:  Stainless steel AISI 420  Material spain:  Weight in kg:  0,3191  Self-venting coupling:  No  Single-hand operation:  No  Single-hand operation:  No  Single-hand operation:  No  Single-hand operation:  No  No  Ultra-FLO-valve:  No  Ves  Water-resistant:  No  PB - 35 bar maximum static working pressure with safety factor 4 to 1.  -20°C up to +100°C (NBR) other sealing materials spring year in the safety factor 4 to 1.  -20°C up to +100°C (NBR) other sealing materials spring snap ring:  Stainless steel AISI 303  Material spring snap ring:  Stainless steel AISI 303  Material spring spring:  No  Single-hand operation:  No  No  Single-hand operation:  No  No  No  Hut-off:  One-design. Extremely low leakage.  No  No  No  Hut-off:  No  PP - 10 cok:  No  No  No  PP - 10 cok:  No  No  No  No  PP - 10 cok:  No  No  No  No  No  No  No  No  No  N	Series long:	
Advantages:  One-hand operation. Simple handling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility:  RECTUS Design PB = 15 bar maximum static working pressure with safety factor 4 to 1.  Working pressure:  Working temperature:  Shut-Off:  Quick coupling Dry-Break (double shut-off) Connection:  Female thread 1/2" Connection description:  Connection description:  Female thread 1/2" Connection type:  Female thread Material:  Brass nickel plated Material description:  Brass cuZn39Pb3 2.0401 (except sleeve) Fluororubber Surface:  Material valve body:  Brass nickel plated  Material valve body:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Material spring snap ring:  Material spring snap ring:  Material seal:  Viton®  Weight in kg:  Onall seals:  Viton®  No  Safety locking system:  No  Single-hand operation:  No  No  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  No  Pressure eliminator:  No  Pressure eliminator:  No  Pres	Bore in mm:	
Advantages:  design. Low coupling forces. Valve body protected by collar design. Extremely low leakage.  Compatibility:  RECTUS Design  PB = 15 bar maximum static working pressure with safety factor 4 to 1.  Working pressure:  PB = 15 bar maximum static working pressure with safety factor 4 to 1.  20°C up to +100°C (NBR) other sealing materials available on request.  Shut-Off:  Quick coupling Dry-Break (double shut-off)  Connection:  Female thread 1/2°  Connection description:  Female pipe thread of Whitworth form ISO 228 1/2°  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2°  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2°  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2°  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread of Whitworth form ISO 228 1/2°  Female pipe thread 1/2°  End 1/2°  Connection:  Female pipe thread 1/2°  Female pipe 1/2°  Female pipe 1/2°  Female pipe 1/2°  Female pipe 1/2°  Female pip	Bore area in mm <sup>2</sup> :	63,5
Working pressure:  Working temperature:  Working temperature:  \$\frac{20^{\circ}{C}}{C}\$ up to \$+100^{\circ}{C}\$ (NBR) other sealing materials available on request.  Shut-Off:  Quick coupling Dry-Break (double shut-off)  Connection description:  Female thread 1/2"  Connection description:  Female thread of Whitworth form ISO 228 1/2"  Female thread 1/2"  Female thread of Whitworth form ISO 228 1/2"  Female thread of Whitworth form ISO 228 1/2"  Female thread 1/2"  Female thread of Whitworth form ISO 228 1/2"  Female thread	Advantages:	design. Low coupling forces. Valve body protected by
working pressure: safety factor 4 to 1.  -20°C up to +100°C (NBR) other sealing materials available on request.  Shut-Off: Quick coupling Dry-Break (double shut-off) Connection: Female thread 1/2" Connection description: Female pipe thread of Whitworth form ISO 228 1/2" Connection type: Female thread Material: Brass nickel plated Material description: Brass CuZn39Pb3 2.0401 (except sleeve) Seal description: Fluororubber nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material valve body: Brass nickel plated Material valve: Brass nickel plated Material series: Brass nickel plated Material valve: Brass nickel plated Material series: Brass nickel plated Material valve: Brass nickel plated Material series: Brass nickel plated Brass n	Compatibility:	RECTUS Design
working terriperature: available on request. Shut-Off: Quick coupling Dry-Break (double shut-off) Connection: Female thread 1/2" Connection description: Female pipe thread of Whitworth form ISO 228 1/2" Female thread Material: Brass nickel plated Material description: Fluororubber Surface: Inickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material sleeve: Brass nickel plated Material sleeve: Brass nickel plated Material spring snap ring: Stainless steel AISI 303 Material balls/pins: Stainless steel AISI 420 Material seal: Viton® Weight in kg: O,3191 Self-venting coupling: No Single-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Vitan-Sealing: Water-resistant: No Flat-sealing: Yes Suitable breath / respiratory protection: No Pressure eliminator: No Presure eliminator: No Presure eliminator: No Preneumatics: Yes Standard product: No	Working pressure:	
Connection:  Connection description:  Connection type:  Female pipe thread of Whitworth form ISO 228 1/2"  Connection type:  Female thread  Material:  Brass nickel plated  Material description:  Seal description:  Fluororubber  Surface:  Inickel plated  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve body:  Brass nickel plated  Material valve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Weight in kg:  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  Ultra-FLO-valve:  No  Vacuum suitable:  Yes  Water-resistant:  No  Female thread 1/2"  Female thread of Whitworth form ISO 228 1/2"  Female thread  Female thread of Whitworth form ISO 228 1/2"  Female thread  Brass nickel plated  Brass nickel p	Working temperature:	
Connection description:  Female pipe thread of Whitworth form ISO 228 1/2"  Connection type:  Female thread  Material:  Brass nickel plated  Material description:  Fluororubber  Surface:  Inickel plated  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 303  Material seal:  Viton®  Weight in kg:  O,3191  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  Wes  Water-resistant:  No  Flat-sealing:  Yes  Suitable breath / respiratory protection:  No  Presurre eliminator:  No  Presurre eliminator:  No  Presurre eliminator:  Yes  Standard product:  No	Shut-Off:	Quick coupling Dry-Break (double shut-off)
Connection type:  Material:  Brass nickel plated  Material description:  Seal description:  Seal description:  Fluororubber  Surface:  Inickel plated  Material connection:  Brass nickel plated  Material connection:  Brass nickel plated  Material valve body:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material sleeve:  Brass nickel plated  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 303  Material seal:  Viton®  Weight in kg:  9,3191  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  Yes  Water-resistant:  No  Flat-sealing:  Yes  Suitable breath / respiratory protection:  No  Presurre eliminator:  No  Presurre eliminator:  Yes  Standard product:  No	Connection:	Female thread 1/2"
Material:  Brass nickel plated  Material description:  Brass CuZn39Pb3 2.0401 (except sleeve)  Seal description:  Fluororubber  Surface:  Material connection:  Brass nickel plated  Material valve body:  Material sleeve:  Brass nickel plated  Material sleeve:  Material spring snap ring:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Material balls/pins:  Weight in kg:  0,3191  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  Yes  Water-resistant:  No  Pressure eliminator:  No  Pressure eliminator:  No  Pressure eliminator:  No  Presure eliminator:  No  Presure eliminator:  Yes  Standard product:  No	Connection description:	Female pipe thread of Whitworth form ISO 228 1/2"
Material description: Seal description: Fluororubber Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass nickel plated Material spring snap ring: Stainless steel AISI 303 Material spring snap ring: Stainless steel AISI 303 Material balls/pins: Viton® Weight in kg: 0,3191 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: Vacuum suitable: Wese Water-resistant: No Flat-sealing: Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Connection type:	Female thread
Seal description: Surface: nickel plated Material connection: Brass nickel plated Material valve body: Brass nickel plated Material sleeve: Brass nickel plated Material sleeve: Brass nickel plated Material valve: Brass nickel plated Material valve: Brass nickel plated Material sleeve: Brass nickel plated Material spring snap ring: Material spring snap ring: Stainless steel AISI 303 Material balls/pins: Viton® Weight in kg: 0,3191 Self-venting coupling: No Safety locking system: No Single-hand operation: Yes Two-hand operation: Yes Two-hand operation: No Ball locking: Yes Pin lock: No Ultra-FLO-valve: No Vacuum suitable: Yes Water-resistant: No Flat-sealing: Yes Suitable breath / respiratory protection: No Pressure eliminator: No Pneumatics: Yes Standard product: No	Material:	Brass nickel plated
Surface:  Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material seal:  Weight in kg:  Safety locking system:  No Single-hand operation:  Two-hand operation:  Mo Ball locking:  Witta-FLO-valve:  No Ultra-FLO-valve:  Water-resistant:  No Flat-sealing:  Yes Suitable breath / respiratory protection:  Pressure eliminator:  Hydraulics:  Pneumatics:  Yes Standard product:  No Brass nickel plated  Brass nickel p	Material description:	Brass CuZn39Pb3 2.0401 (except sleeve)
Material connection:  Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material sless steel AISI 303  Material balls/pins:  Material seal:  Witon®  Weight in kg:  Safety locking system:  No  Single-hand operation:  Two-hand operation:  Pressure HD-valve:  Water-resistant:  No  Vitan-FLO-valve:  Woo  Water-resistant:  No  Safety locking:  No  No  Material operation:  No  Mo  Mo  Mo  Mo  Mo  Mo  Mo  Mo  Mo	Seal description:	Fluororubber
Material valve body:  Material sleeve:  Material sleeve:  Material sleeve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Stainless steel AISI 303  Material seal:  Viton®  Weight in kg:  0,3191  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  Water-resistant:  No  Flat-sealing:  Yes  Suitable breath / respiratory protection:  No  Pressure eliminator:  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No  Press  Prass nickel plated  Brass nickel plated	Surface:	nickel plated
Material sleeve:  Material valve:  Material valve:  Material spring snap ring:  Material balls/pins:  Material balls/pins:  Stainless steel AISI 303  Material balls/pins:  Stainless steel AISI 420  Material seal:  Viton®  Weight in kg:  0,3191  Self-venting coupling:  No  Safety locking system:  No  Single-hand operation:  Yes  Two-hand operation:  No  Ball locking:  Yes  Pin lock:  No  Ultra-FLO-valve:  No  Vacuum suitable:  Yes  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Pneumatics:  Yes  Standard product:  No	Material connection:	Brass nickel plated
Material valve:  Material spring snap ring:  Material balls/pins:  Material seal:  Witon®  Weight in kg:  Self-venting coupling:  No  Safety locking system:  Single-hand operation:  Two-hand operation:  Pin lock:  No  Ultra-FLO-valve:  Water-resistant:  No  Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Presure diminator:  No  Presurations:  No  Presurations:  Pres  Brass nickel plated  Stainless steel AISI 303  Stainless steel AISI 420  Viton®  No  No  No  No  No  No  No  No  No  N	Material valve body:	Brass nickel plated
Material spring snap ring:         stainless steel AISI 303           Material balls/pins:         Stainless steel AISI 420           Material seal:         Viton®           Weight in kg:         0,3191           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material sleeve:	Brass nickel plated
Material balls/pins:         Stainless steel AISI 420           Material seal:         Viton®           Weight in kg:         0,3191           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material valve:	Brass nickel plated
Material seal:         Viton®           Weight in kg:         0,3191           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material spring snap ring:	stainless steel AISI 303
Weight in kg:         0,3191           Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material balls/pins:	Stainless steel AISI 420
Self-venting coupling:         No           Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Material seal:	Viton®
Safety locking system:         No           Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Weight in kg:	0,3191
Single-hand operation:         Yes           Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Self-venting coupling:	No
Two-hand operation:         No           Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Safety locking system:	No
Ball locking:         Yes           Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Single-hand operation:	Yes
Pin lock:         No           Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Two-hand operation:	No
Ultra-FLO-valve:         No           Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Ball locking:	Yes
Vacuum suitable:         Yes           Water-resistant:         No           Flat-sealing:         Yes           Suitable breath / respiratory protection:         No           Pressure eliminator:         No           Hydraulics:         No           Pneumatics:         Yes           Standard product:         No	Pin lock:	No
Water-resistant:  No Flat-sealing:  Suitable breath / respiratory protection:  No Pressure eliminator:  Hydraulics:  No Pneumatics:  Yes Standard product:  No	Ultra-FLO-valve:	No
Flat-sealing:  Suitable breath / respiratory protection:  No  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Vacuum suitable:	Yes
Suitable breath / respiratory protection:  Pressure eliminator:  No  Hydraulics:  No  Pneumatics:  Yes  Standard product:  No	Water-resistant:	No
Pressure eliminator:  No Hydraulics: No Pneumatics: Yes Standard product: No	Flat-sealing:	Yes
Hydraulics: No Pneumatics: Yes Standard product: No	Suitable breath / respiratory protection:	No
Pneumatics: Yes Standard product: No	Pressure eliminator:	No
Standard product: No	Hydraulics:	No
·	Pneumatics:	Yes
Mould coupling: No	Standard product:	No
	Mould coupling:	No

## Dimensions

Connection A:	G 1/2
D mm:	33
L mm:	92
L1 mm:	14
SW mm:	27