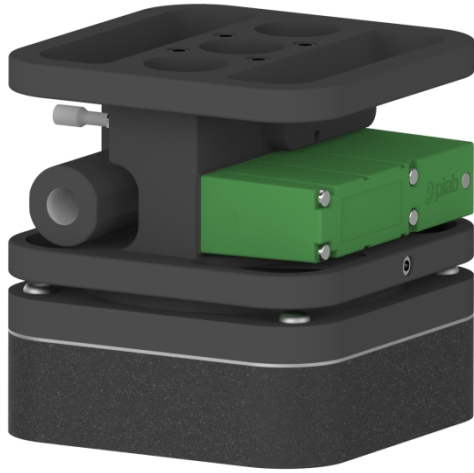


Kenos® KCS



- The KCS (Kenos collaborative small gripper) gripping system is equipped with integrated COAX® SX cartridges.
- The quick change system of KCS allows the gripper to move from one application to another very quickly.
- The KCS is equipped with a flow restrictor suitable for handling different sized sealed or leaking objects with the same lifting device even if the total foam area is not covered, the KCS will still maintain enough vacuum level to lift the object.
- The COAX®SX cartridges- providing high performance even at low or fluctuating feed pressures. The KCS can be equipped with 1 or 2 COAX®SX cartridges.

Technical data

Description	Unit	Value
Feed pressure, max	psi	101.5
Temperature range	°F	32-122
Weight	oz	21.98
Material	-	PA, POM, EPDM, SS, NBR, PVC, HDPE
Noise level	dBA	70
Connection, compressed air	-	G 1/8"
Material foam	-	EPDM

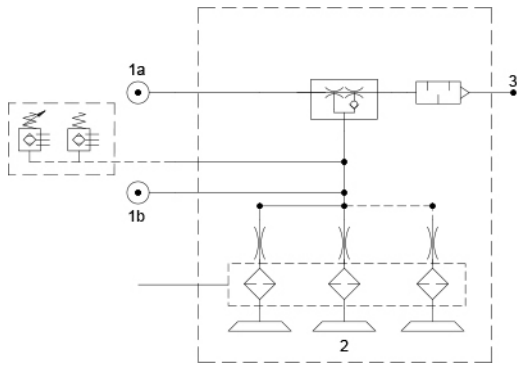
Vacuum flow

Feed pressure pump / nozzle	Air consumption	Vacuum flow (NI/s) at different vacuum levels (-kPa)										Max vacuum -inHg	
		0	10	20	30	40	50	60	70	80			
psi	scfm												
68.2 / 62.4	4.68	7.33	6.40	5.11	3.60	2.16	1.29	1.00	0.59	0.21	0.21	26.6	

Gripping force data

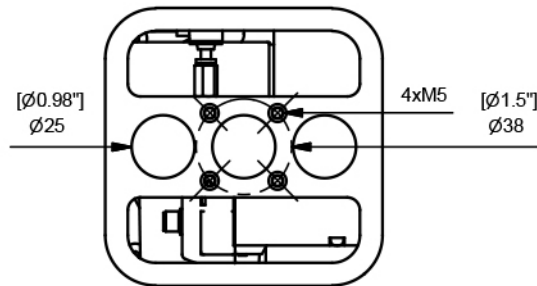
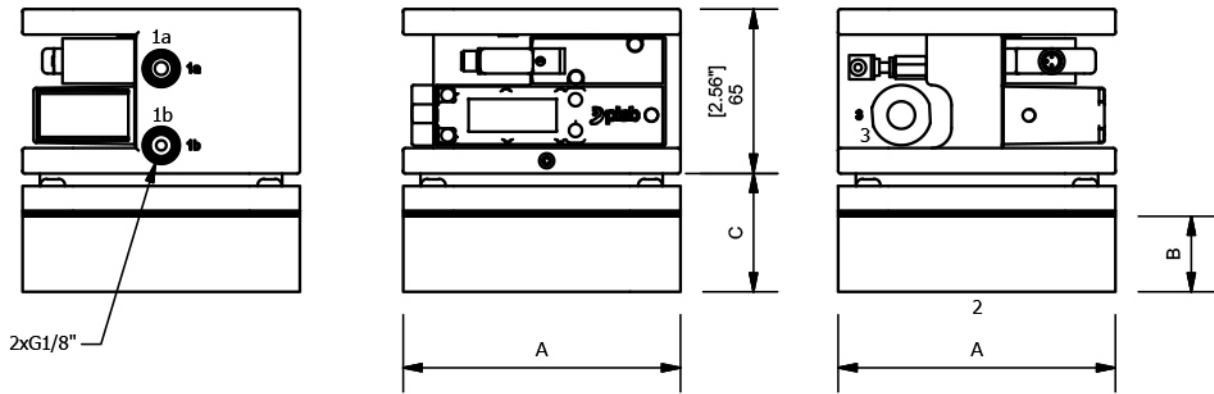
Gripping force* at different vacuum levels						
9	12	15	18	20	24	27
18.2	24.5	30.6	36.6	42.7	48.8	54.9

Dimensional drawing

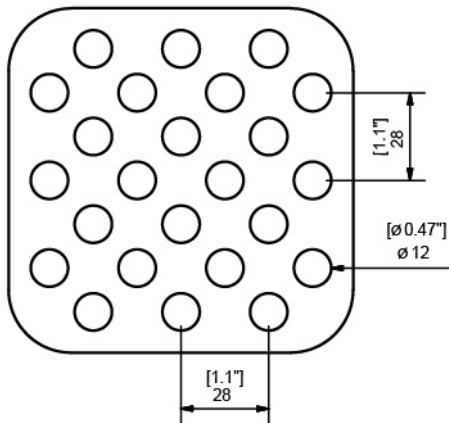


- A 110 [4.33"]
- B 30 [1.18"]
- C 47 [1.85"]

Note: The filter, the monitoring and the valves are optional depending on your configuration.



Note: The monitoring and the valves are optional depending on your configuration.



Ordering information – Current configuration

Description Kenos®KCS	Product code KCS.Q110.N301.110.FR6.SX421.X.X.X
Dimension pump unit	110x110mm
Gripper	Foam
Type	Foam EPDM
Foam thickness	Foam 30mm
Filter	Without filter
Step	Fine step
Foam dimension	110x110mm
Technology	Flow Reduction 0,6 mm (standard)
Pump type	Ejector pump
Ejector type	1 x SX42
Control valves	Without solenoid valves
Monitoring	Without vacuum switch or sensor
Fixing interface	Without fixing interface

Ordering information, spare part foam

Description	Product code
Foam EPDM Foam 30mm, Without filter, Fine step, 110x110mm	FOAM.KCS.Q110.N301.110

Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.