

Vacuum gripping systems with foam / FCR 240x120 mm, fine pitch with calibrated holes

FCR-240-120-F20-R08-06-LX2-HF-2

- The FCR series of vacuum gripping systems is ideal for pick-and-place operations and for handling products with different sizes, shapes, and porosities, making it suitable for a wide range of applications
- The version with calibrated holes is ideal for applications that require turning of the handled object by more than 45° and at least half of the surface of the gripper to be in contact with the object
- The compact size of 240x120 mm makes it ideal for filling packs
- Integrated EJ-LARGE-HF multistage cartridges to ensure high suction flow rate and low power consumption
- Ideal for collaborative applications thanks to its rounded shape and reduced weight. It can also feature an ISO-50 flange (MFI-A374-A) for direct mounting to collaborative robots



Technical features

Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	650 g
Material	PA12, EPDM, NBR, Al, Br
Noise level	70 dB

Suction flow rate

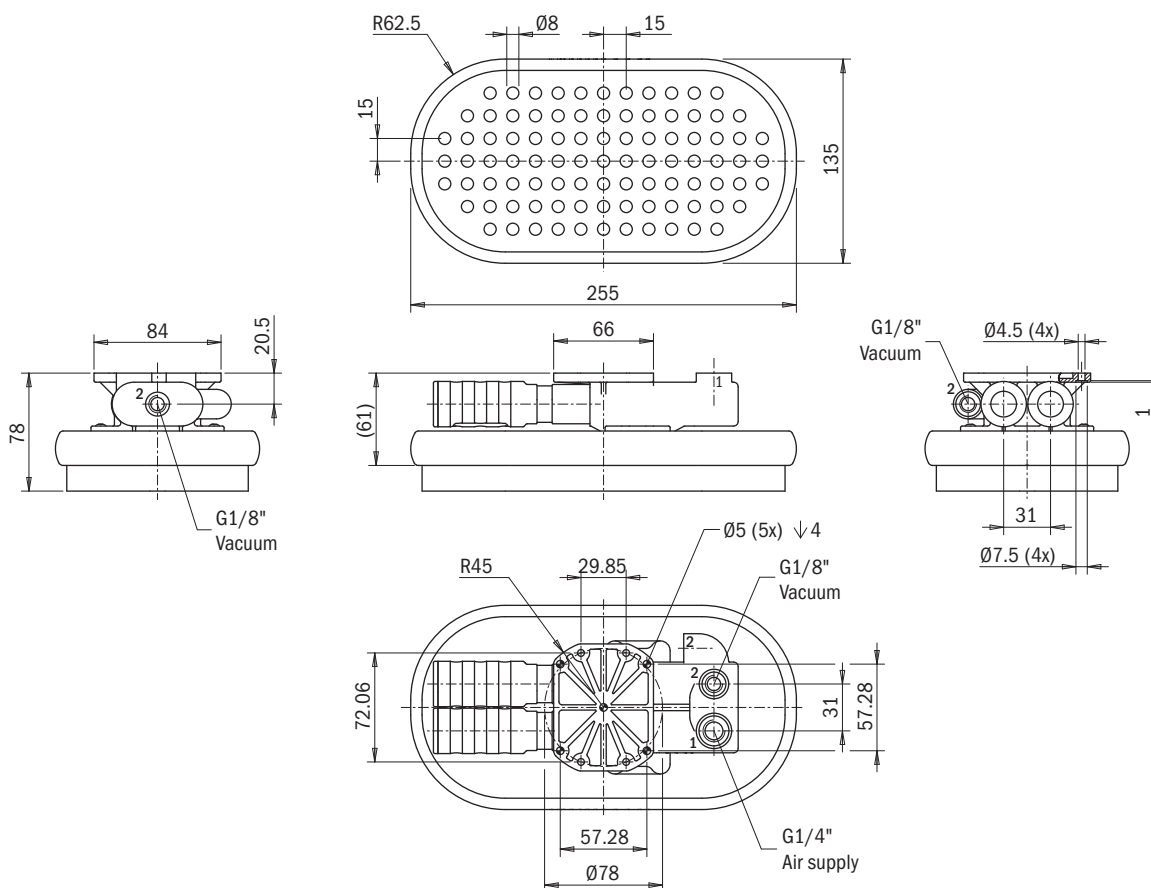
Model	Feed pressure [MPa]	Air consumption [l/s]	Suction flow rate [l/s] at different vacuum levels								Max vacuum [kPa]
			0	-10	-20	-30	-40	-50	-60	-70	
FCR-240-120-F20-R08-06-LX2-HF-2	0.6	3.4	6.4	6	15	3.4	1.78	1.24	1.02	0.62	-73

Gripping force

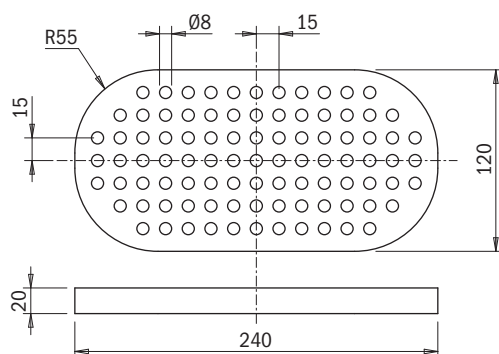
Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FCR-240-120-F20-R08-06	140	187	234	280	327

Theoretical gripping force on flat surface with fully covered gripping surface, excluding the factor of safety
Standard 20 mm thickness of foam

Identification codes		
Alphanumeric code	Description	Order code
FCR-240-120-F20-R08-06-LX2-HF-2	Vacuum gripping system for cobot, 240x120 mm, with 20 mm thick foam, integrated vacuum generator, Ø0.6 mm calibrated holes	374060001



Identification codes		
Alphanumeric code	Spare parts	Order code
FCR-240-120-F20-R08	Spare EPDM foam, 240x120 mm, 20 mm thick, fine pitch	374010007



Identification codes		
Alphanumeric code	Accessories	Order code
BNRV	Blow-off non-return valve	3100028
AVG-100-D40	Analogue vacuum gauge G1/8", -100 kPa / -30 inHg	3030165
VACSDAN220-G	Digital vacuum switch with colour display, with DIN connector	3030157
-	Interface plate	MFI-A374-A