



Vacuum gripping systems | Vacuum grippers

Vacuum grippers with closing valves

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Strong holding force, independent of gripper coverage



MAXIMUM LIFE, MINIMUM MAINTENANCE

Product description

- > Automated handling of individual products or product layers without gripper change
- > Suitable for rigid products with an even or uneven surface
- > Integrated valves seal unused suction openings without loss of gripping force
- > Large valve openings reduce sensitivity to dirt and ensure maximum suction power
- > Fast and uniform vacuum distribution ensures short cycle times and high acceleration rates
- > Separate compressed air connection for blow-off function for fast product release
- > Sealing foam for gentle product contact and optimum vacuum sealing - can be quickly replaced without tools and without leaving any residue

Notes

- > Suitable for use with < 90° swivel and tilt movements
- > No minimum coverage required
- > TC200x400:
 - Gripping area is divided into zones for flexible product pick-up and/or release
 - Available for all vacuum grippers on request
- > For vacuum grippers from TC400x600 with external vacuum supply, the pick-up and release system (36.900/36.901) minimises power consumption and extends system service life (see the chapter on accessories)

Ordering notes

- > Ordering example vacuum generation
 - TC120x230-P20: integrated via ejectors
 - TC120x230-P20-OV: designed for external vacuum generation, e.g. via side channel blower or pump
- > EPDM sealing foam, 24 mm thick, and vacuum gauge included in scope of delivery
- > See chapter accessories for more information on:
 - Sealing foam program for various applications
 - Gripper/robot connection elements

Technical data

Item no.	Air consumption at 6 bar [Nl/min]	Suction power against atmosphere [Nl/min]	Number of closing valves	Final vacuum [%]	Width [mm]	Recommended suction power at 35 % vacuum level [m³/h]	Weight [kg]	Suitable sealing foam
TC120x230-P20	105	360	50	85	--	--	2.3	PPF120.230-P20
TC120x230-P40	105	198	15	85	--	--	2.3	PPF120.230-P40
TC120x400-P20	210	396	95	85	--	--	3.55	PPF120.400-P20
TC120x400-P40	105	198	30	85	--	--	3.55	PPF120.400-P40
TC200x400-P20	420	1,440	171	85	--	--	6.15	PPF200.400-P20
TC200x400-P40	210	720	50	85	--	--	6.15	PPF200.400-P40
TC600x400-P20-OV*	--	--	551	--	35	90 - 140	12	PPF-600x400-20
TC600x400-P28-OV*	--	--	260	--	40	90 - 140	12	PPF-600x400-28
TC600x400-P40-OV*	--	--	126	--	55	50 - 90	12	PPF-600x400-40