Large flat suction cup

MPU flat suction cup

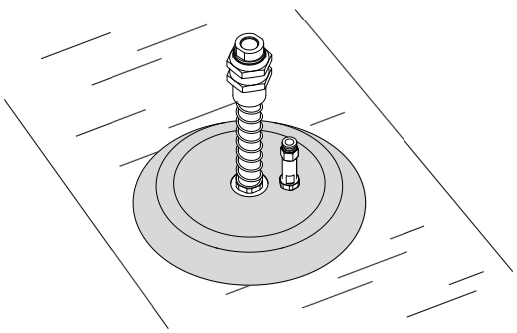




MPU flat suction cup

Introduction

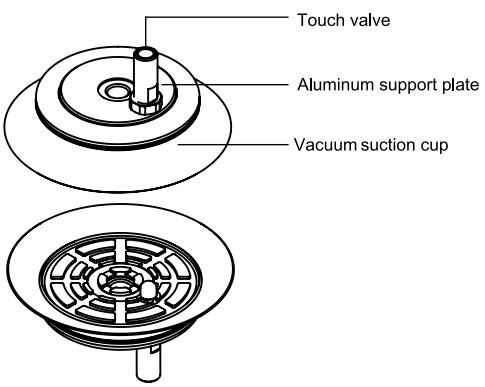
- A large-area support structure in the bottom
- Double lip seals to offer excellent sealing and large suction force
- Small internal volume
- Rubber suction cup can be replaced seperately
- Can prevent permanent deformation of thin-walled workpieces
- Short operating cycle time
- Costs significantly reduced for customers
- Applicable to workpieces with different sizes and shapes



Application of MPU flat suction cup

Application

- Handling workpieces with flat or slightly deforming surfaces
- Optional touch valve , when it senses the product is not in contact with the workpiece , the corresponding vacuum circuit is closed.



System design of MPU flat suction cup

Structure

- The aluminum support plate and rubber suction cup are designed to be detachable from each other so that the vulnerable elements can be easily replaced.
- Equipped independent functional interfaces
- The optional touch valve can prevent unexpected vacuum leakage

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MPU flat suction cup purchase guide

MPU 125 N G1/4-IG TV

① ② ③ ④ ⑤

①Product series	②Size specification	③Material	④Joint specification	⑤Product addition
MPU	**125** - φ125mm **160** - φ160mm **210** - φ210mm **250** - φ250mm **300** - φ300mm **360** - φ360mm	N - Nitrilerubber S - Silicone rubber	G1/4-IG - G1/4 female thread G1/2-IG - G1/2 female thread Note: IG=Female thread When a bare suction cup is selected, the "Touch valve" option will be disabled.	Null - Standard TV - Touch valve

Model specifications of MPU flat suction cup

Model	Joint specification	
	G1/4-IG	**G1/2-IG**
MPU 125...	●	-
MPU 160...	-	●
MPU 210...	-	●
MPU 250...	-	●
MPU 300...	-	●
MPU 360...	-	●

MPU flat suction cup model specifications

MPU 125 N

① ② ③

①Product series	②Size specification	③Material
MPU	**125** - φ125mm **160** - φ160mm **210** - φ210mm **250** - φ250mm **300** - φ300mm **360** - φ360mm	N - Nitrilerubber S - Silicone rubber

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Model specifications of MPU flat suction cup spare fittings and elements

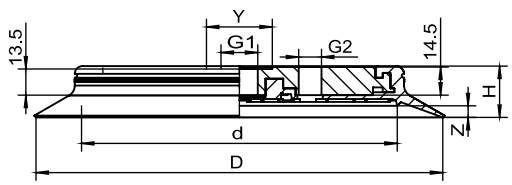
Model	Touch valve model
MPU 125...	MTV-G1/4-AG
MPU 160...	MTV-G1/4-AG
MPU 210...	MTV-G1/4-AG

Model	Touch valve model
MPU 250...	MTV-G1/2-AG
MPU 300...	MTV-G1/2-AG
MPU 360...	MTV-G1/2-AG

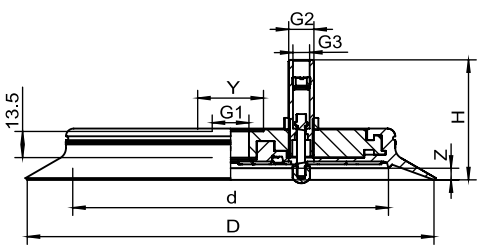
Technical parameters of MPU flat suction cup

Model	Suction force Ds N	Suction force d2 N	Internal Volume cm^3	Workpiece radius min (convex) mm	Weight g
MPU 125 ☐ G1/4-IG(TV)	660	365	76	220	240
MPU 160 ☐ G1/2-IG(TV)	1090	600	142	350	440
MPU 210 ☐ G1/2-IG(TV)	1870	1250	192	750	840
MPU 250 ☐ G1/2-IG(TV)	2650	1940	370	2200	1400
MPU 300 ☐ G1/2-IG(TV)	3810	3010	491	3500	2240
MPU 360 ☐ G1/2-IG(TV)	5500	4730	1289	3000	3700

Design parameters of MPU flat suction cup



MPU 125 to 360...



MPU 125 to 360...TV

Model	Size (mm)							
	D	**d**	**H**	**Z**	**Y**	**G1**	**G2**	**G3**
MPU 125 ☐ G1/4-IG	125	83	26.0	7	22	G1/4-IG	G1/4-IG	-
MPU 160 ☐ G1/2-IG	160	113	24.5	6	34	G1/2-IG	G1/4-IG	-
MPU 210 ☐ G1/2-IG	210	163	26.5	5	34	G1/2-IG	G1/4-IG	-
MPU 250 ☐ G1/2-IG	250	203	26.5	7	34	G1/2-IG	G1/2-IG	-
MPU 300 ☐ G1/2-IG	300	253	26.5	6	34	G1/2-IG	G1/2-IG	-
MPU 360 ☐ G1/2-IG	360	309	35.5	12	34	G1/2-IG	G1/2-IG	-
MPU 125 ☐ G1/4-IG TV	125	83	62.0	7	22	G1/4-IG	G1/4-AG	G1/8-IG
MPU 160 ☐ G1/2-IG TV	160	113	43.0	7	34	G1/2-IG	G1/4-AG	G1/8-IG
MPU 210 ☐ G1/2-IG TV	210	163	51.0	5	34	G1/2-IG	G1/4-AG	G1/8-IG
MPU 250 ☐ G1/2-IG TV	250	203	65.5	7	34	G1/2-IG	G1/2-AG	G3/8-IG
MPU 300 ☐ G1/2-IG TV	300	253	64.0	6	34	G1/2-IG	G1/2-AG	G3/8-IG
MPU 360 ☐ G1/2-IG TV	360	309	70.5	12	34	G1/2-IG	G1/2-AG	G3/8-IG