



## 技術規格 Specifications

最大真空度 Max.vacuum level	-93kPa
最大真空流量 Max.vacuum flow rate	185l/m
供氣壓力 Air supply pressure	4-6bar 最大(Max.)7bar
最佳供氣壓力 Air supply pressure(opt)	FVX5-ABX20 4.5bar FVX30 5bar
供氣類別 Air supply type	乾燥的壓縮空氣 Dry compressed air
工作溫度 Working temperature	-20°C to +80°C
噪音 Noise level	50-68dBA

## 訂購碼 How to Order

### FVX5 - B - V

① ② ③

① 型號-容量等同於電力泵尺寸 Model-Capacity equivalent to electricity motor pump size

FVX5	0.05KW
FVX10	0.10KW
FVX20	0.20KW
FVX30	0.30KW

② 供氣口, 真空口, 排氣口 Air Supply, Vacuum, Exhaust Port

	供氣	真空	排氣 Exhaust
A	M5-φ6	G1/8"	內置消聲器 Internal silencer
NA	M5-φ6	NPSF1/8"	內置消聲器 Internal silencer
B	G1/8"	G3/8"	內置消聲器 Internal silencer
BA	G1/8"	G3/8"	內置消聲器 Internal silencer 連接板-鋁 connection plate-AL
NB	NPSF1/8"	NPSF3/8"	內置消聲器 Internal silencer
NBA	NPSF1/8"	NPSF3/8"	內置消聲器 Internal silencer 連接板-鋁 connection plate-AL
C	G1/8"	G3/8"	外置消聲器 External silencer
NC	NPSF1/8"	NPSF3/8"	外置消聲器 External silencer

※ 標準真空產生器型號 Standard pump model

FVX5-A, NA, B, BA, NB, NBA, C, NC FVX10-A, NA, B, BA, NB, NBA, C, NC FVX20-B, BA, NB, NBA, C, NC

FVX30-B, BA, NB, NBA, C, NC:

③ 密封件 Sealing

無記號 No mark	標準(丁腈橡膠) Standard (NBR)
V	氟橡膠 VITON
E	三元乙丙橡膠 EPDM

## 產品特點 Features

- ◇ 結構緊湊, 體積輕巧, 安裝簡便, 甚至可以安裝到吸盤上
- ◇ 使用多級發生器產生真空, 可以提供最大的真空流量。
- ◇ 外形上與M-Mini真空產生器相似, 但是內部系統不同, 可以達到更高的真空度。
- ◇ 外殼由高級塑料制成, 可以在許多有害氣體中使用。
- ◇ 可選擇氟橡膠和三元乙丙橡膠做為密封材料, 使其能在腐蝕性環境和酸性環境下使用。
- ☆ These pumps are compact and low weight design. Because the pumps are too small they can be mounted locally to the vacuum requirement even directly onto the back of suction cups if required.
- ☆ They use a Multi Stage Ejector principal for generating the vacuum, provide large capacity vacuum flow combined with high grade plastic, making the pumps resilient to most hazardous vapours
- ☆ ABX has the same external dimensions to that of ABM however the internal ejector system is different to enable higher levels of vacuum to be achieved.
- ☆ The pump can have seal materials options of Viton® & EPDM for corrosive and acidic applications.

## 產品參數 Technical Parameters

型號 Model	最大真空度 Max.vacuum level (-kPa)	最大真空流量 Max.vacuum flow (l/min)	空氣消耗量 Air consumption (l/min)	噪音 Noise level (dBA)	最小軟管內徑Φ(2m內) Min tube inner Φ (within 2m)		
					供氣 Air supply	真空 Vacuum	排氣 Exhaust
FVX5	92	32	18-22	50-65	>2	>5	>8
FVX10		63	31-40	55-68	>2	>8	>10
FVX20		125	79-89	60-69	>4	>10	>12
FVX30		185	128-137	60-69	>6	>12	>15

※ 備註: 型號 重量 Remarks: type weight= FVX5-A(B,BA,NBA,C,NC):32.5g(38g,58g,58g,38g,38g)

FVX10-A(B,BA,NBA,C,NC):32g(37.5g,57.5g,57.5g,37.5g,37.5g)

FVX20-B(BA,NB,NBA,C,NC):50g(70g,70g,70g,50g,50g)

FVX30-B(BA,NB,NBA,C,NC):62.5g(82.5g,82.5g,82.5g,62.5g,62.5g)

## 不同真空度(-kPa)的真空流量(l/min) Vacuum flow(l/min) at different vacuum levels(-kPa)

型號 Model	-kPa	供氣壓力 Air supply pressure	0	10	20	30	40	50	60	70	80	90	最大真空度 Max.vacuum level
FVX5	4.5bar	4.5bar	30	13	7.5	7	6	5	4	3.2	1.8	0.4	-92kPa
FVX10			52	24	18	15	13	10.5	8	6	2.5	0.8	
FVX20			100	46	34	30.5	25	21	17	10.5	5	1.6	
FVX30			180	95	55	45.5	40.5	30.5	25	19	11.5	3	

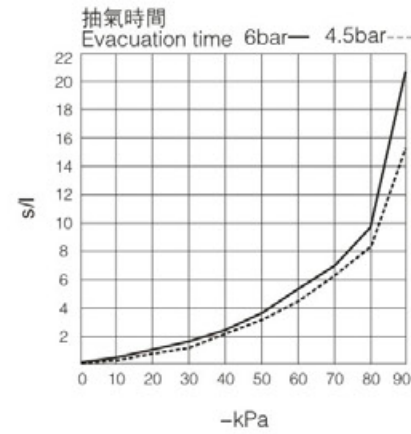
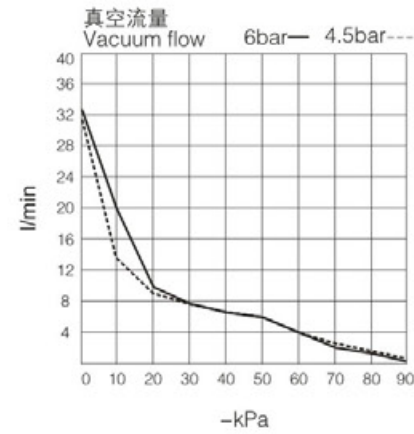
型號 Model	-kPa	供氣壓力 Air supply pressure	0	10	20	30	40	50	60	70	80	90	最大真空度 Max.vacuum level
FVX5	6bar	6bar	32	20	8.5	7.5	6	5	4	3	1.5	0.15	-93kPa
FVX10			63	36	18	16	12.5	10.5	8.5	6	3.5	0.5	
FVX20			125	73	35	30	25	22	18	12	7	0.9	
FVX30			185	103	51	46	38	31	25	19	12	1.8	

## 不同真空度(-kPa)的抽氣時間(s/l) Evacuation time(s/l) to reach different vacuum levels(-kPa)

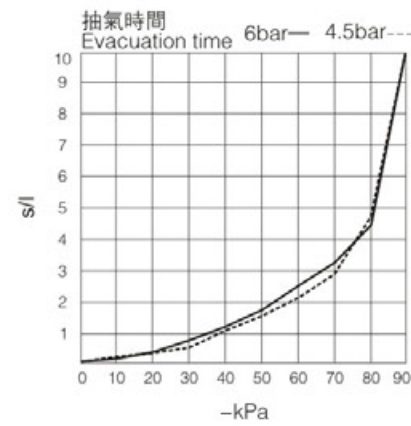
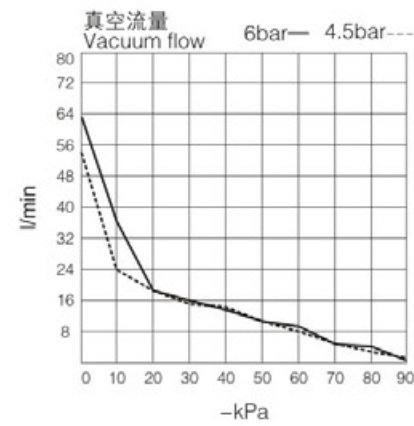
型號 Model	-kPa	供氣壓力 Air supply pressure	10	20	30	40	50	60	70	80	90
FVX5	4.5bar	4.5bar	0.13	0.6	1.26	2.3	3.2	4.5	6.15	8.5	15.5
FVX10			0.11	0.3	0.65	1.1	1.55	2.15	2.85	4.7	10.2
FVX20			0.09	0.16	0.32	0.55	0.8	1.5	1.8	2.7	5
FVX30			0.06	0.12	0.23	0.36	0.53	0.76	1.1	1.6	2.9

型號 Model	-kPa	供氣壓力 Air supply pressure	10	20	30	40	50	60	70	80	90
FVX5	6bar	6bar	0.15	0.71	1.52	2.54	3.72	5.12	6.95	9.7	21
FVX10			0.09	0.32	0.71	1.18	1.74	2.4	3.26	4.55	10.2
FVX20			0.046	0.15	0.31	0.52	0.77	1.08	1.54	2.15	4.92
FVX30			0.025	0.123	0.23	0.38	0.58	0.82	1.11	1.54	3

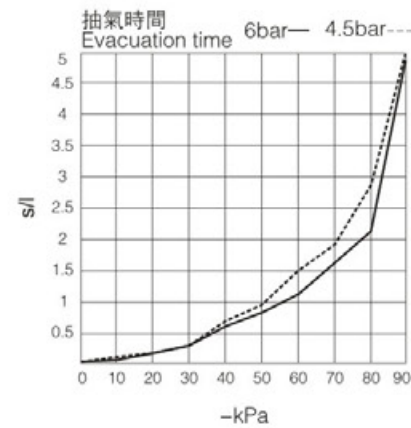
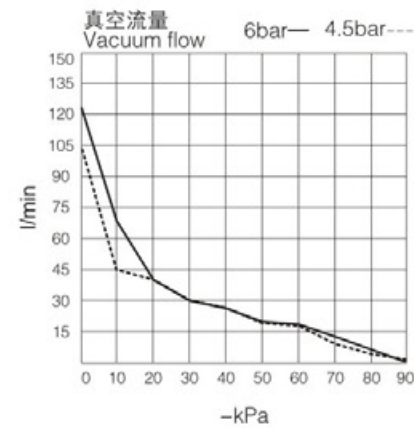
### • FVX5



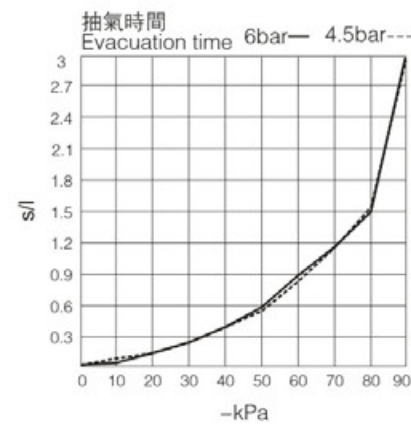
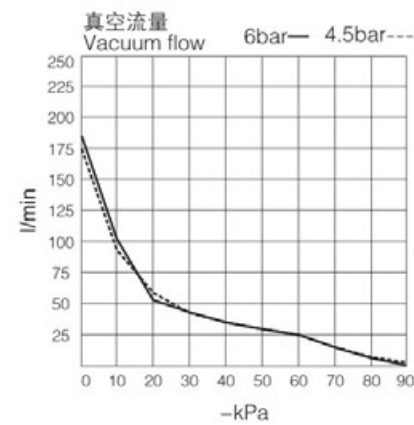
### • FVX10



### • FVX20



### • FVX30



### 外形尺寸 Dimensions (mm)

**5**  
FVX(10)-A(NA)

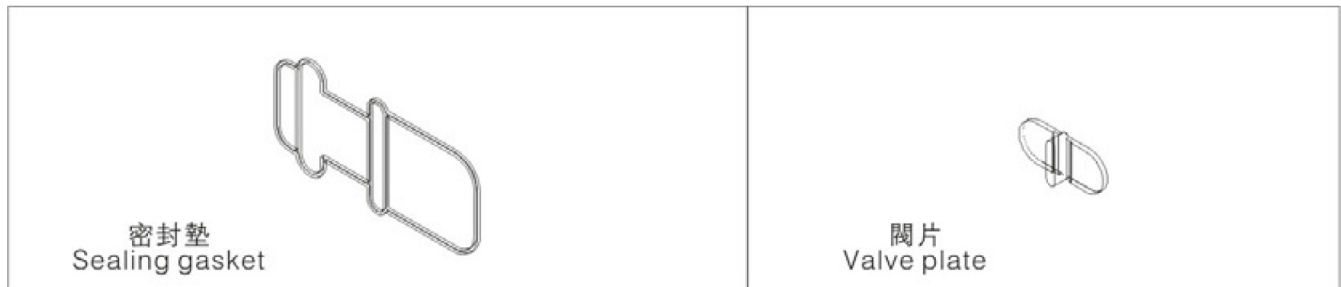
**5 B**  
FVX(10)-(BA)  
20 NB  
30 NBA

型號 Model	L(mm)
FVX5	20.5
FVX10	20.5
FVX20	27.5
FVX30	35

**5**  
FVX(10)-C(NC)  
20  
30

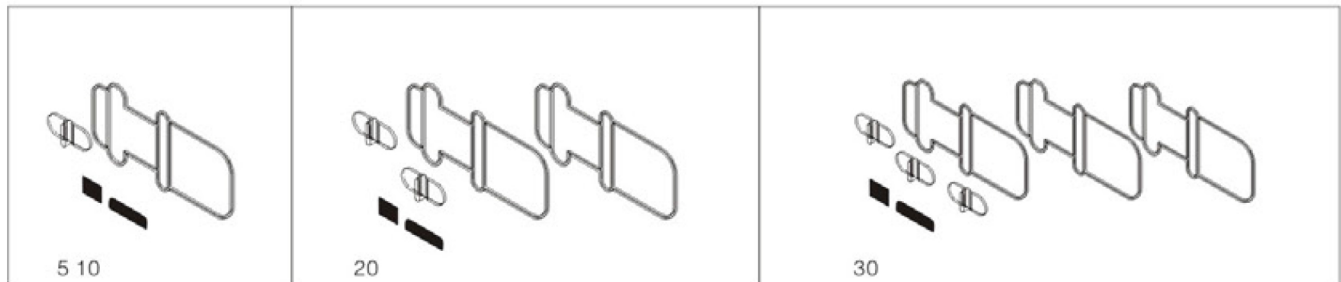
型號	L(mm)
FVX5	20.5
FVX10	20.5
FVX20	27.5
FVX30	35

## 密封件訂購碼 How to order(Sealing elements)



規格 Specification	密封墊	閥片
標準 ( 丁腈橡膠 ) Standard(NBR)	02.0050.419	02.0050.421
氟橡膠 VITON	02.0050.420	02.0050.422
三元乙丙橡膠 EPDM	02.0050.465	02.0050.466

## 維修組件 Repair kits



型號 Model	訂購碼 Ordering Code		
	丁腈橡膠 NBR	氟橡膠 VITON	三元乙丙橡膠 EPDM
FVX5-A(B, C)	01.0005.402	01.0005.602	01.0005.802
FVX10-A(B, C)	01.0010.402	01.0010.602	01.0010.802
FVX20-B(C)	01.0020.404	01.0020.604	01.0020.804
FVX30-B(C)	01.0030.406	01.0030.606	01.0030.806