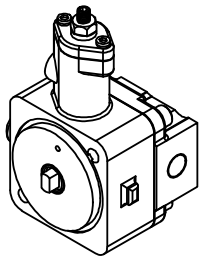
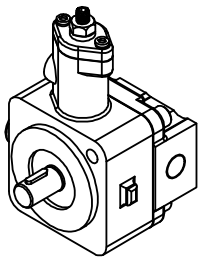
KVDN SERIES
Variable Vane Pump Features & Ordering Code

KVDN-8
KVDN-12
KVDN-16
KVDN-21



(A型：馬達端防漏型)



(B型：泵軸端防漏型)

SYMBOL

Features 特點

- ❖ **Energy efficient high performance up 30~40%(高效高性能)**
- ❖ **Lightweight, compact design (重量輕, 結構緊湊)**
- ❖ **Low noise, long life (低噪音, 壽命長)**
- ❖ **Low heat generation, low temperature rise(低發熱, 低溫升)**

Model	Capacity (cm^3/rev)	Operating Pressure Mpa (Kgf/cm^2)	No-load discharge Rate (L /min)		Input power (HP)	Net Weight (K g)
			50HZ	60HZ		
KVDN-8	8	1.5~ 4.0(15.3~40.8)	12	14.4	1~2	7
		3.5~ 6.0 (35.7~61.2)				
		5.5~ 8.0 (56.1~81.6)				
KVDN-12	12	1.5~ 4.0(15.3~40.8)	18	21.6	1~2	
		3.5~ 6.0 (35.7~61.2)			2~3	
		5.5~ 8.0 (56.1~81.6)			2~3	
KVDN-16	16	1.5~ 4.0(15.3~40.8)	24	28.8	1~2	
		3.5~ 6.0 (35.7~61.2)			2~3	
		5.5~ 8.0 (56.1~81.6)			3~5	
KVDN-21	21	1.5~ 4.0(15.3~40.8)	31.5	37.8	2~3	
		3.5~ 6.0 (35.7~61.2)			3~5	
		5.5~ 8.0 (56.1~81.6)			3~5	

Ordering Code 訂購指引

KVDN - 8 - A - 3 - 1 - A

① ② ③ ④ ⑤ ⑥

① **KVDN Series Uni-pump**

② **Displacement (cm^3/rev) : 8 , 12 , 16 , 21**

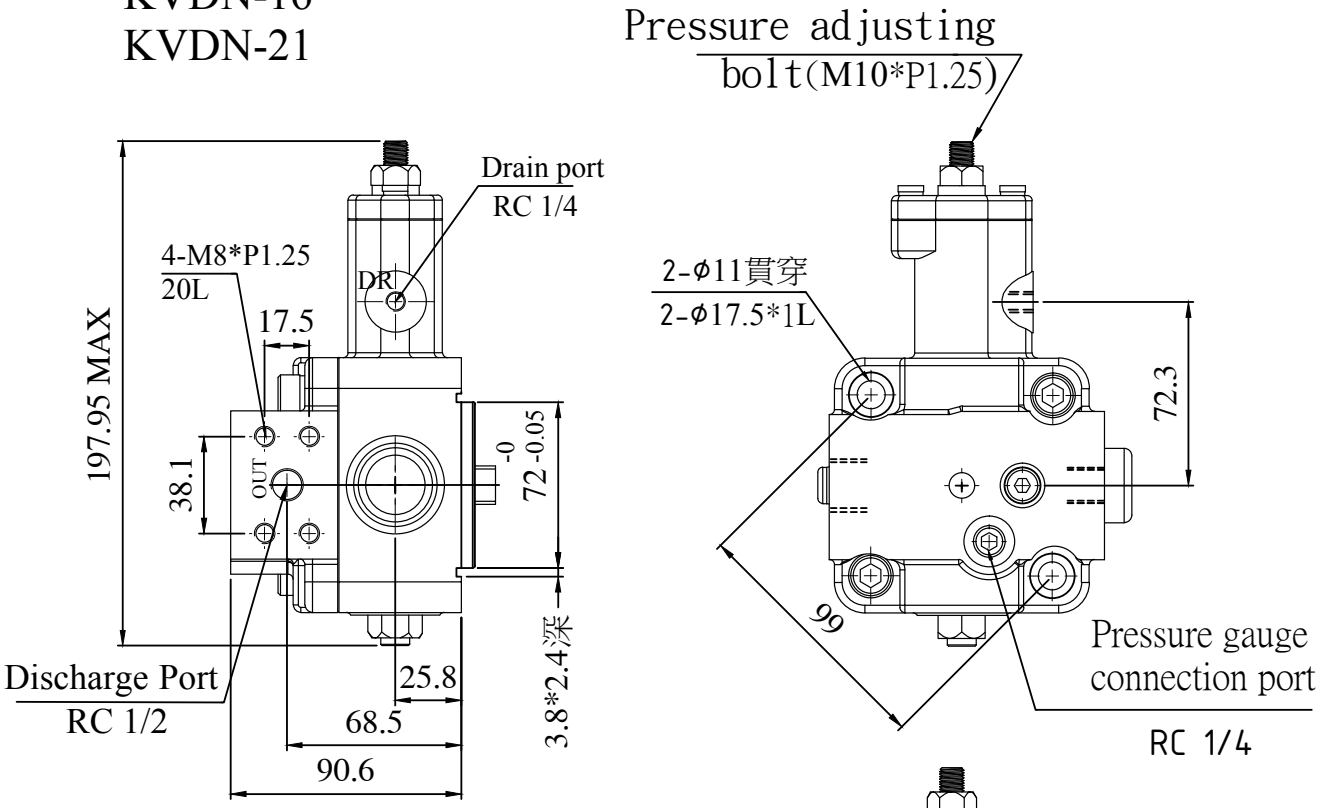
③ **A : Motor-Side leak-proof(馬達端防漏型)**
B : Pump-Side leak-proof(泵軸端防漏型)

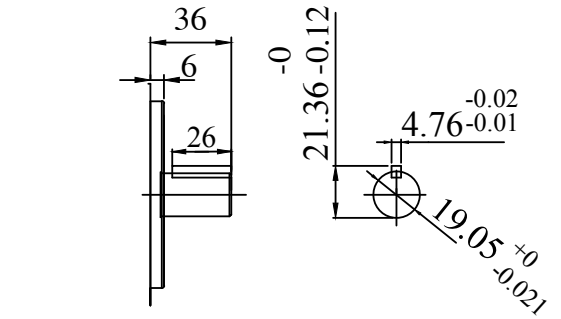
④ **Pressure adjustment range**
2 : 15 ~ 40 (kgf/cm^2)
3 : 35 ~ 61 (kgf/cm^2)
4 : 56 ~ 80 (kgf/cm^2)

⑤ **Shaft Type**
1 : 長鍵　　3 : Splined
2 : 一字鍵　　4 : 長鍵

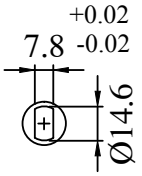
⑥ **Type of Suction Port & Discharge Port**
A or No : RC
B : NPT
C : SAE
D : BSP

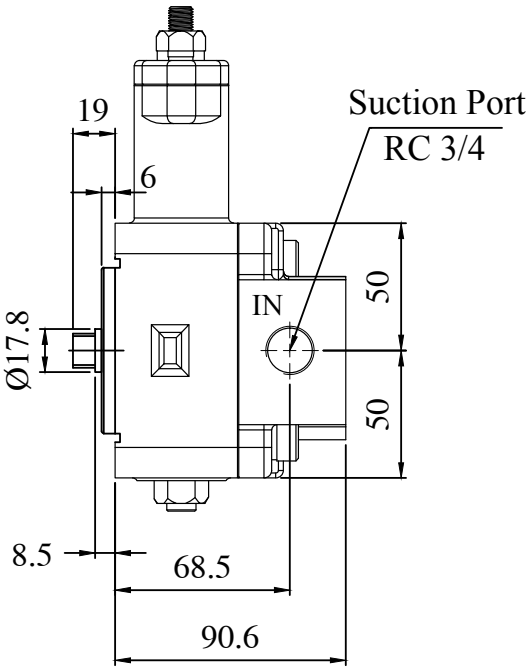
KVDN-8 **Motor-side leak-proof** (馬達端防漏型 KVDN-*-A-*)
KVDN-12 **Shaft end without seal** (泵心軸無防漏)
KVDN-16
KVDN-21





NO：01 - Shaft





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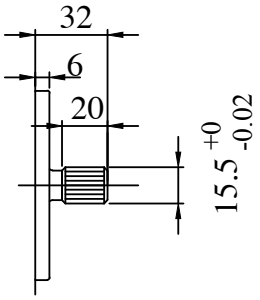
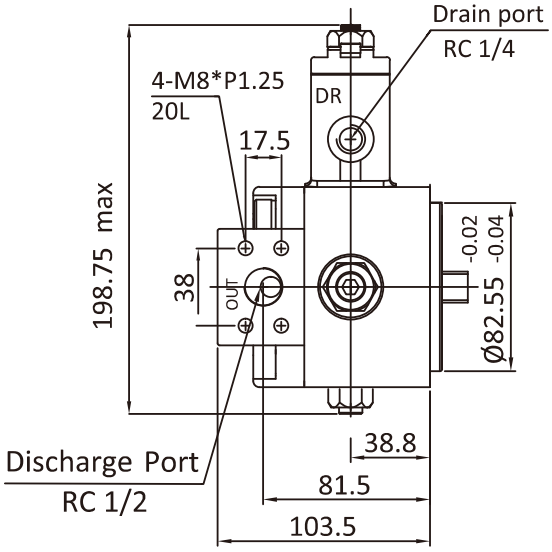


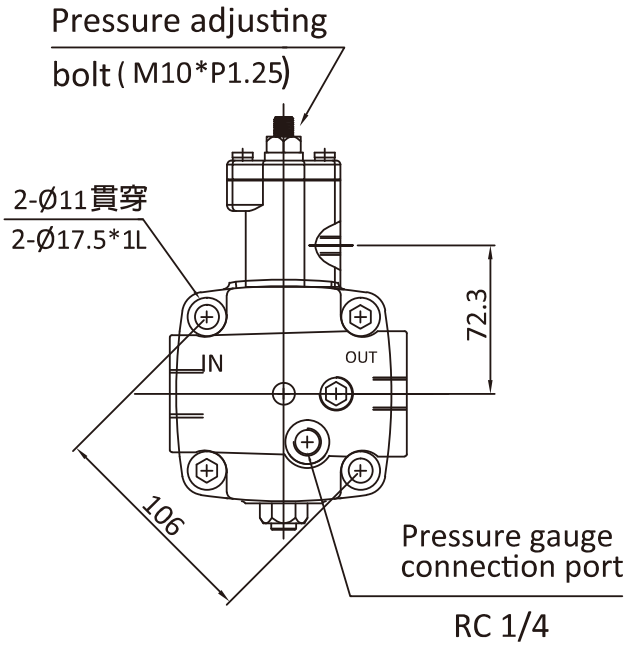
Diametral Pitch : 16/32
Pressure Angle : 30°
No. of Teeth : 9

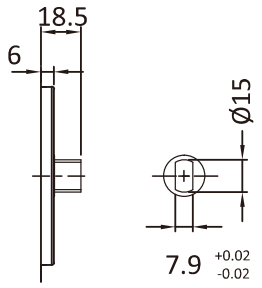
NO : 03-Shaft

KVDN-8
KVDN-12
KVDN-16
KVDN-21

Pump-side leak-proof (泵端防漏型 KVDN-*-B-*)







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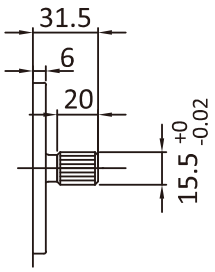
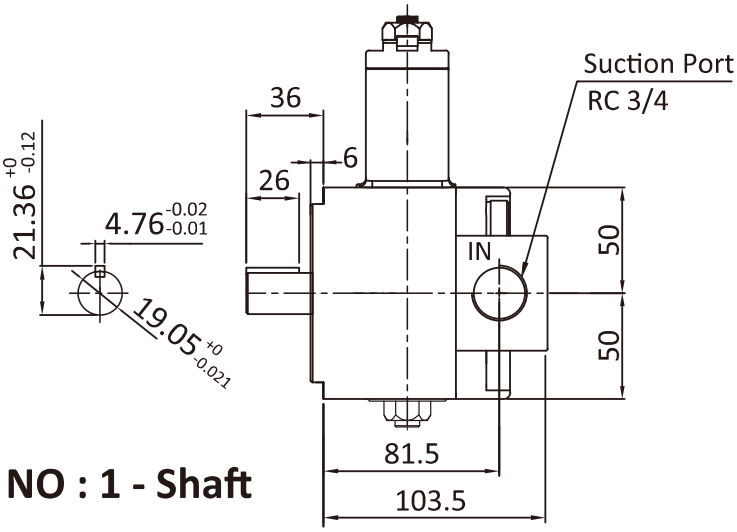
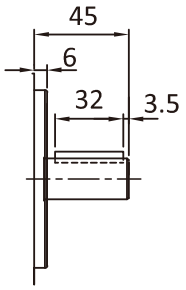


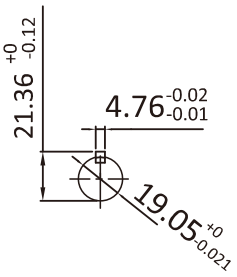
Diametral Pitch : 16/32
Pressure Angle : 30°
No. of Teeth : 9

NO.03-Shaft



NO : 1 - Shaft





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NO : 4 - Shaft