

SWAN Air Cooled Piston Compressor

天鵝牌空氣壓縮機



Brand You Know
Performance You Trust

優質、專業、新活力



SWAN Air Cooled Piston Compressors

天鵝牌空氣壓縮機



Patented easy access drain mechanism mounted on top of the air tank for easy periodical maintenance.

獨家專利桶上洩水，方便洩除桶內的冷凝水。

Smart controller. Suitable for all industrial users.

智慧型全自動控制操作簡單，更適合各行各業的作業條件。



Special Features For SVU(P)-215/220

SVU(P)-215/220獨家專利與特點



Guide plate for cooling air flow ensures better cooling effects!

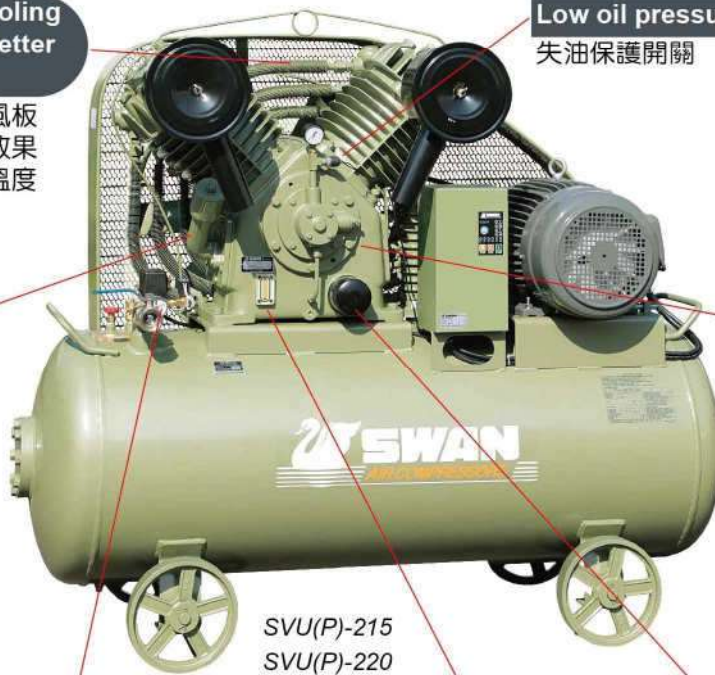
設置冷卻氣流的導風板增加壓縮熱源冷卻效果大幅降低壓縮熱的溫度

Low oil pressure protection 失油保護開關



New breather design and unique oil mist collection mechanism ensure the lowest oil consumption!

獨特的加油通氣管設計潤滑油份回收設計確保冷凝油不噴溢減少潤滑油的損失兼顧綠色環保境界



SVU(P)-215
SVU(P)-220

Special oil return pipe design to reduce possible oil splashing!

潤滑油回油特殊設計減少內部潤滑油飛濺降低壓縮空氣含油量



Solenoid Valve 電磁閥



Oil Gauge 油鏡



Oil Filter 油過濾器

| Model 型式 | Specs. 規格 | | Working Pressure (kg/cm ² .g) 使用壓力 | Speed (r.p.m) 轉速 | F.A.D. (l/min) 實際排氣量 | Tank Capacity (liter) 儲氣桶容量 | Compressor Blocks Physical Dimensions 機體實體尺寸 | | Compressor Units Physical Dimensions 整台實體尺寸 | |
|------------|------------------|----|---|------------------|----------------------|-----------------------------|--|--------|---|--------|
| | Motor (kw/hp) 馬達 | 馬 | | | | | LxWxH(mm) | 重量(kg) | LxWxH(mm) | 重量(kg) |
| SVU(P)-215 | 11 | 15 | 8 | 550 | 1520 | 400 | 910x760x860 | 265 | 1820x730x1480 | 560 |
| SVU(P)-220 | 15 | 20 | 8 | 710 | 2000 | 400 | 910x760x860 | 265 | 1820x730x1480 | 560 |

※Keep on developing for excellence, we reserve the right to alter specifications without prior notice.

※Other special air discharge quantity, pressure and drive type are available upon request.

※本公司不斷研究改進，規格如有變更，恕不另行通知。

※規格外之壓力、排氣量、空壓設備，詳細資料歡迎與本公司洽詢。

S Series

S系列 氣冷移動式

S Series

Unique Components and Mechanism

獨特配件與功能



Highly efficient and durable valve assemblies are provided through the use of special material treatments and high precision grinding processes

經熱處理及精密研磨的進排氣閥組，注意每環節確保效率與壽命。



SWU(P)-415



Product quality guaranteed through the application of modern technology such as CAD/CAM that is used in all functions from product development, modeling and design, right through to the manufacturing process.

以CAD/CAM進行分析、模擬、設計、製造、品質的發展從設計開始。



High quality and consistent components are manufactured through machining centers which typically are capable of completing a finished surface in a single set-up.

以大型自動加工中心機進行精密加工，一次夾持完成各加工面，確保精度的一致性。



Compressor Pump Only

壓縮機機體



SWU-310



HVU-205

All metal surfaces on compressor units are prepared by initially shot blasting, followed by the application of powder coating to ensure bright, durable and environmentally friendly air tank surface protection.

鋼珠噴砂處理，自動粉體塗裝；注重環保並確保外觀晶亮耐久。

| Model 型式 | Specs. 規格 | | Motor (kw/hp) 馬達 | Working Pressure (kg/cm ² .g) 使用壓力 | Speed (r.p.m) 轉速 | F.A.D. (l/min) 實際排氣量 | Tank Capacity (liter) 儲氣桶容量 | Compressor Blocks Physical Dimensions 機體實體尺寸 | | Compressor Units Physical Dimensions 整台實體尺寸 | |
|-------------|--------------|--------|------------------------|---|------------------------|----------------------------|-----------------------------------|--|--------|---|-----|
| | LxWxH(mm) | 重量(kg) | | | | | | LxWxH(mm) | 重量(kg) | | |
| SVU(P)-114 | 0.2 | 1/4 | | | 675 | 30 | 36 | 160x200x250 | 6.2 | 775x290x605 | 26 |
| SVU(P)-212 | 0.4 | 1/2 | | | 700 | 58 | 58 | 335x265x265 | 14.6 | 940x330x700 | 52 |
| SVP-201 | 0.75 | 1 | | | 1020 | 117 | 85 | 380x280x340 | 21 | 1000x440x780 | 58 |
| SVP-202 | 1.5 | 2 | | | 880 | 205 | 85 | 410x290x350 | 25 | 1000x440x780 | 62 |
| SVP-203 | 2.2 | 3 | | 8 | 650 | 296 | 106 | 540x400x450 | 51 | 1350x450x840 | 110 |
| SVU(P)-205 | 3.7 | 5 | | | 620 | 450 | 155 | 560x400x450 | 70 | 1400x520x980 | 168 |
| SWU(P)-307 | 5.5 | 7.5 | | | 850 | 723 | 240 | 650x460x550 | 93 | 1470x650x1150 | 230 |
| SWU(P)-310 | 7.5 | 10 | | | 850 | 955 | 300 | 700x460x560 | 95 | 1835x650x1200 | 250 |
| SWU(P)-415 | 11 | 15 | | | 850 | 1229 | 300 | 700x520x550 | 118 | 1835x650x1200 | 275 |

H Series

H系列 氣冷移動式

Insist on the best and prestige comes from 60 years' experience and persistence.

一甲子專業經驗與最佳品質



HWU(P)-415



HWP-310

Model Selection

- Define the predicted air volume requirement, plus 30% additional to select for an appropriate compressor model.
- Consider any predictable increase in air volume demand, such as increasing automatic equipment in the future.
- The correct selection will minimize capital and power consumption costs.

機型選擇

- 確認需要風量並選擇至少有30%餘裕之機型。
- 請考慮將來自動化設備增加，壓縮空氣使用量增多的情況，並預作規劃。
- 機型選擇正確與否影響購置成本及電費。

Control System Selection

- **Automatic Unloader System "U" Type**
Through automatic unloading system allows for the control of loaded and unloaded compressor status through a range of pre-set pressure values. This system is recommended where the duty cycle exceeds 50%, and for all larger compressors units.
- **Pressure Switch System. "P" Type**
The automatic pressure switch will stop and start the compressor according to air demand. It is normally recommended for intermittent operation and smaller compressor units.
- **U Type & P Type Interchangeable System**
The integration of pressure switch, solenoid valve and smart IC controller allows air compressor to switch U type system and P type system automatically according to the air volume requirement, ensuring best efficiency. (※For SVU(P)-215, SVU(P)-220, SWU(P)-415, HVU(P)-215 and HWU(P)-415 only.)
- **The correct selection will extend compressor's service life and reduce power consumption.**

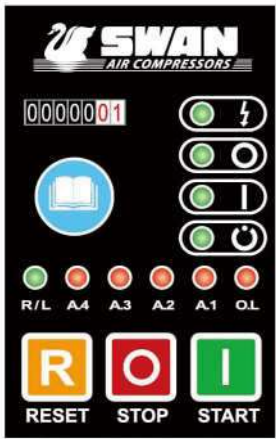
型式選擇

- **U型**：用自動釋荷閥控制空壓機的空車、重車；適用於較大馬力機型及連續運轉型。
- **P型**：用壓力開關控制空壓機的停車及再啟動；適用於較小馬力機型及間續使用型。
- **U&P共用型**：用壓力開關與電磁閥，結合智慧型IC控制器。空壓機可依照氣源需求量自動調節全、半自動，最佳運轉效能。
(※使用機型SVU(P)-215、SVU(P)-220、SWU(P)-415、HVU(P)-215、HWU(P)-415。)
- 型式選擇正確與否影響空壓機使用壽命及電費。

| Model 型式 | Specs. 規格 | | Working Pressure (kg/cm ² .g) 使用壓力 | Speed (r.p.m) 轉速 | F.A.D. (l/min) 實際排氣量 | Tank Capacity (liter) 儲氣桶容量 | Compressor Blocks Physical Dimensions 機體實體尺寸 | | Compressor Units Physical Dimensions 整台實體尺寸 | |
|-------------|--------------|-----|---|------------------------|----------------------------|-----------------------------------|--|--------|---|--------|
| | 馬 | 達 | | | | | LxWxH(mm) | 重量(kg) | LxWxH(mm) | 重量(kg) |
| HVU(P)-203 | 2.2 | 3 | 16 | 960 | 270 | 237 | 500x330x400 | 47 | 1470x550x1100 | 205 |
| HVU(P)-205 | 3.7 | 5 | | 900 | 406 | 237 | 560x380x460 | 67 | 1470x550x1100 | 225 |
| HWU(P)-307 | 5.5 | 7.5 | | 850 | 606 | 237 | 620x480x540 | 93 | 1470x640x1150 | 260 |
| HWU(P)-310 | 7.5 | 10 | | 850 | 786 | 237 | 650x480x540 | 95 | 1470x640x1150 | 262 |
| HWU(P)-415 | 11 | 15 | 12 | 850 | 1120 | 300 | 1835x650x1150 | 116 | 730x550x660 | 361 |
| HVU(P)-215 | 11 | 15 | | 710 | 1064 | 300 | 930x650x690 | 280 | 2230x800x1400 | 515 |

Smart Controller

智慧型面板



復歸鍵 停止鍵 啟動鍵

Power Indicator 電源指示燈
Stop Indicator 停止指示燈
Start Indicator 運轉指示燈
Stand-by Indicator 備機指示燈

Overload Indicator
O.L 電流過負載指示燈
Low oil Pressure Indicator
A.1 失油保護指示燈
Remote-control Indicator
R/L 遠端操作指示燈

- The distinctive and high efficient design enable to eliminate wearing damages to all mechanical parts during ON/OFF and loading / unloading operations. 特殊的設計，在空車啟動與空車停機時降低磨擦阻力對機械的傷害。
- The user friendly control system can monitor exactly the running conditions of the remote compressors. 本機、遠端彈性化操控，選擇更人性化。
- Intelligent control system is able to self-adjust to execute automatic or semi-automatic control mode. 智慧型自動控制，可自動調節為全自動或半自動操作模式。
- Multiple protective system and intimate design to completely meet customers' requirements. 貼心設計，多重保護控制系統功能。
- Simple and visible indicator lights. 操控面板指示燈顯示運轉狀態。

Compressed Air Cleaning System

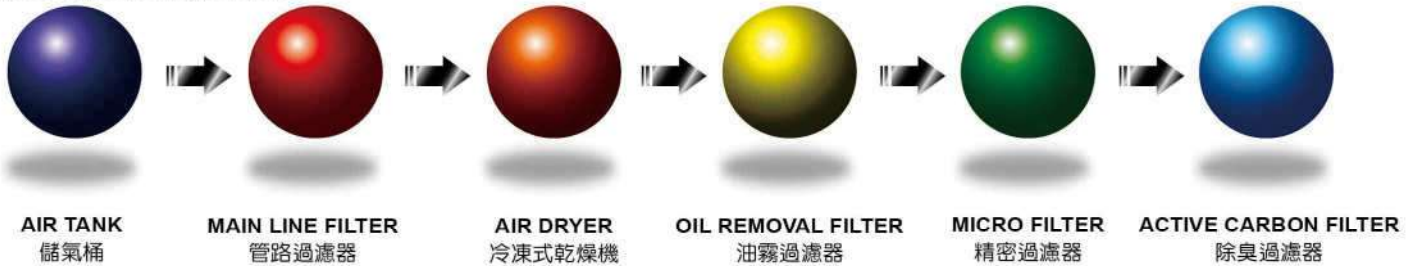
空氣清淨化系統

Features

- Comprehensive range of filters to meet requirements from different industrial users.
- We supply different grade of air filtrating systems to meet various applications.

特點

- 配合不同工業用戶需求，提供各種樣式過濾器組合。
- 因應客戶不同的用途，不同的清淨化需求，提供不同等級的過濾系統。



Recommended Air Filtration Combination 標準組合選配表

| Model 型號 Item 項目 | SVU-205 | SWU-307 | SWU-310 | SWU-415 | SVU-215 | SVU-220 | Model 型號 | | | | |
|-----------------------------|---------|---------|---------|---------|---------|---------|------------------------------------|----------|--------|---------|---------|
| | SVP-205 | SWP-307 | SWP-310 | SWP-415 | SVP-215 | SVP-220 | Size 規格 | SDE-4E | SDE-8E | SDE-11E | SDE-15E |
| Main Line Filter 管路過濾器 | --- | --- | --- | ARF 15A | ARF 15A | ARF 15A | Flow Rate(m ³ /min) 處理量 | 0.6 | 1.2 | 1.6 | 2.4 |
| Air Dryer 冷凍式乾燥機 | SDE-4E | SDE-8E | SDE-8E | SDE-11E | SDE-11E | SDE-15E | Dew Point 出口露點 | 3~15°C | | | |
| Oil Removal Filter 油霧過濾器 | ARB 04A | ARB 08A | ARB 08A | ARB 15A | ARB 15A | ARB 15A | Inlet Temp 入口溫度 | Max.80°C | | | |
| Micro Filter 精密過濾器 | ARA 04A | ARA 08A | ARA 08A | ARA 15A | ARA 15A | ARA 15A | Ambient Temp 環境溫度 | 2~43°C | | | |
| | | | | | | | W.P.(bar) 工作壓力 | 2~10 | | | |
| | | | | | | | In/Out 管徑 | 1/2"φ | 3/4"φ | 1"φ | 1"φ |
| | | | | | | | Power 電源 | 1 | 1 | 1 | 1 |
| | | | | | | | Type of Refrigerant 冷媒型式 | R-134A | R-134A | R-407C | R-407C |
| | | | | | | | L(mm) 長 | 254 | 254 | 244 | 254 |
| | | | | | | | Size W(mm) 尺寸 寬 | 722 | 722 | 797 | 797 |
| | | | | | | | H(mm) 高 | 515 | 515 | 626 | 626 |
| | | | | | | | Weight(kgs) 重量(kgs) | 34 | 34 | 40 | 42 |
| | | | | | | | Applicable Ranges(hp) 適用馬力(hp) | 5 | 5~10 | 10~15 | 10~20 |

※Standard products supplied with 220V, and refer to us for the different voltage or higher capacity and urgent delivery.
 ※Keep on searching for excellence, we reserve the right to alter specifications without prior notice.
 ※標準電壓220V，異電壓部份與處理量較大之規範或交期請洽本公司。
 ※本公司不斷研究改進，規格如有變更，恕不另行通知。

1/4HP~20HP

Safety 耐久使用
Reliable 保養簡單



東正[®] 鐵工廠股份有限公司

TONG CHENG IRON WORKS CO., LTD.

No. 16, Sec. 2, Ta Chin Street, South Dist., Taichung 402026, Taiwan

總公司

402026 台中市南區大慶街二段16號

☎ 04 2261 2135 ☎ 04 2262 8246/04 2261 5465

🌐 www.swan-aircompressor.com

台北營業所

248018 新北市五股區五權五路43號

☎ 02 2299 1285 ☎ 02 2298 2296

台南營業所

710005 台南市永康區中正南路635號

☎ 06 253 9848 ☎ 06 253 9849



選用大豆油墨，守護地球
永續，實現美好未來。
Opt for soy ink, protect the Earth.
Sustainability, secure a brighter future.