



元銓企業有限公司  
YUAN SHEN ENTERPRISE CO., LTD.

## 不銹鋼鮑爾環 (Pall Ring)

材質Material :

不銹鋼carbon steel; SUS 304, SUS 316

簡介 :

不銹鋼鮑爾環也稱為金屬鮑爾環填料。它在金屬環填料領域非常受歡迎。金屬鮑爾環具有獨特的多葉片設計，相對擴大了內表面積並促進了流體-空氣交換。金屬鮑爾環在金屬拉西環結構的基礎上得到改進。通常在相同的壓降條件下，鮑爾環的處理能力比拉西環增加**50%**。

與塑料鮑爾環相比，這種鮑爾環填料具有更高的機械強度和更好的傳質性能。適用於易分解，聚集或碳化的材料。金屬鮑爾環具有良好的操作靈活性和大的生產能力。它適用於各種分離和吸收應用，如氣體脫水，甲烷和二氧化碳的去除。金屬鮑爾環具有多種材料。它可以由各種不銹鋼製成。



**Metal pall ring** is also named metal pall ring packing. It is very popular in the pall rings field. Metal pall ring has a unique multiple-blade design, which relatively enlarges the internal surface area and promotes the fluid-air exchange. Metal pall rings is improved on the basis of the metal raschig ring's structure. Usually under the same pressure drop condition, pall ring's handling capacity is increased by 50% than raschig rings.

Compared with plastic pall ring, this type pall ring packing has higher mechanical strength and better mass transfer performance. It is suitable for the materials which are easy to decompose, aggregate or carbonize. Metal pall ring has good handling flexibility and large production capacity. It is suitable for various separation and absorption applications, such as gas dehydration, methane and carbon dioxide removal. Metal pall ring has a wide range of materials. It can be made from carbon steel or stainless steel. Specifications can be customized according to your needs.



## 特性 Features :

- ▶ 高通過氣體流速  
High gas velocity
- ▶ 機械强度高  
High mechanical strength
- ▶ 有效的傳質和分離  
Effective mass transfer and separation
- ▶ 出色的處理能力  
Excellent handling capacity.
- ▶ 大量生產的能力  
Large production capacity

## 特性數據表(Physical data)

鮑爾環 (Pall ring)				
尺寸規格 Nominal size	比表面積 Surface area	空隙率 Void fraction	填充個數 Number of fills	重量 Weight
徑×高×厚(mm)	(m <sup>2</sup> /m <sup>3</sup> )	(%)	(Pcs/ m <sup>3</sup> )	(kg/ m <sup>3</sup> )
Ø16×16×(0.5)	330	91.8	205000	659
Ø25×25×(0.5)	216	94.6	55000	367
Ø38×38×(0.5)	145	94.6	15000	246
Ø50×50×(0.5)	102	95.9	6500	185
Ø76×76×(1)	57	96.6	1900	276

※本表僅供參考(For reference Only)

## 應用Applications :

- ▶ 適合高敏材料  
Fit for heat-sensitive material. treatment process.
- ▶ 適用於高溫作業  
Suitable for high temperature applications.
- ▶ 適用於易分解,聚集或碳化的材料  
Used in gas dehydration, methane and carbon dioxide removal.
- ▶ 應用於二氧化碳脫氣塔,臭氧反應塔,真空塔蒸餾塔或提它反應塔  
Applied in carbon dioxide degassing towers, ozone exposure reaction towers, vacuum distillation towers and other reaction towers.



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