



AG2800 | Planetary gear units for AM8800 stainless steel servomotors

The AM8800 stainless steel servomotors are fully compatible with the high requirements in the food, beverage and pharmaceutical industries with respect to optimum cleaning, resistance to aggressive cleaning agents, heavy mechanical loads and adverse environmental conditions. With their absolutely edge-free design these motors reduce the costs for machine manufacturers and users to a minimum.

A Hygienic Design drive axis does not always end at the stainless steel shaft of the motor; the use of a gearbox is often absolutely necessary. The same requirements apply here as to the stainless steel servomotors. All gearbox materials that come into contact with the environment exhibit high resistance to a large number of aggressive CIP (Cleaning in Place) cleaning media. The dead-space-free design, the smooth surface, the round motor adapter and the high resistance to corrosion of the gearboxes make the AM8800 a perfectly matched and certified Hygienic Design servo axis. The planetary gear units are fitted to the respective motor in the factory and delivered as a complete motor/gear unit.

Features

- corrosion-resistant implementation
- resistant to aggressive cleaning agents
- stainless steel screw plug
- food-compatible NSF-H1 lubrication
- high protection class IP IP 69K (at 30 bar, referring to DIN 40050-9)
- laser-etched name plate
- dead-space-free design and smooth, electro-polished surfaces

Technical data	AG2800
Type of gear	planetary gear stainless steel
Life span	> 20,000 h
Coating/surface	stainless steel 1.4404
Ambient temperature	-15 °C...+40 °C
Installation position	variable
Protection class	IP 69K (at 30 bar, referring to DIN 40050-9)

Options	AG2800
Feather key groove	according to DIN 6885 P1
Design form	dead-space-free design and smooth, electro-polished surfaces
Sizes	3 sizes (HDV015, HDV025, HDV035)
Gear ratios	14 gear ratios; 1-stage with $i = 3, 4, 5, 7, 10$; 2-stage with $i = 9, 12, 16, 20, 25, 30, 35, 40, 50, 70, 100$

Stainless steel products	
For further information on the stainless steel control solution please see here .	