Carbon Dioxide Booster Configuration



Base-type appearance; medium-specific configuration is confirmed for the application.

Carbon dioxide booster configurations use C / CD plunger and WC / WCD piston base types. Select the structure and medium-side configuration for inlet phase, temperature, supply conditions and the target duty point.

- C / CD plunger types, single-head / double-head
- WC / WCD piston types, single-head / double-head
- Select for CO2 phase and target duty point

Base Types and Configuration Selection

Medium / application	Base types and pressure ratios	Typical use	Selection checks
Carbon dioxide (liquid)	C single-head / CD double-head plunger; ratios 16, 28, 40, 64, 80, 100:1	Liquid CO2 boosting, transfer and high-pressure testing	Liquid inlet conditions, temperature, supply method and target duty point
Carbon dioxide (gas / liquid)	WC single-head / WCD double-head piston; ratios 10, 25, 40, 60:1	CO2 filling, transfer and test-pressure supply	Applicable phase, inlet pressure and target flow for the specific model

Selection and Operating Notes

- Ratios guide base-type selection; confirm permitted working pressure and target flow for the specific model and medium conditions.
- Check gas and liquid configurations separately; the base-type list does not establish cross-phase suitability for every model.
- Define pump supply and the valves, instruments and controls of a filling, transfer or test system separately.

二氧化碳增压泵配置



二氧化碳增压配置提供 C / CD 柱塞式与 WC / WCD 活塞式基型，按入口相态、温度、供料条件和目标工作点选择结构及介质侧配置。

- C / CD 柱塞式，单头 / 双头结构
- WC / WCD 活塞式，单头 / 双头结构
- 按二氧化碳相态与目标工作点选型

基型外观参考；介质专用配置按工况确认。

基型与配置选型

介质 / 应用	可选基型与增压比	典型用途	选型确认
二氧化碳（液态）	C 单头 / CD 双头柱塞式；倍率 16、28、40、64、80、100:1	液态 CO2 增压、转输、高压试验	入口液态条件、温度、供料方式和目标工作点
二氧化碳（气态 / 液态）	WC 单头 / WCD 双头活塞式；倍率 10、25、40、60:1	CO2 充装、转输、试验供压	具体型号适用相态、入口压力与目标流量

选型与工况注记

- 倍率用于基型筛选，允许工作压力和目标流量按具体型号与介质条件确认。
- 气态与液态配置分别核对，不把基型列表作为各型号跨相态通用保证。
- 泵本体与充装、转输或试验系统的阀组、仪表及控制范围分别确定。