BC5400 Series Blow Case Pump

“Blow Case” Replacement Condensate Transfer Pump

FREE POWER

The Series BC5400 chemical transfer pump benefits from a unique patented design which allows it to be powered from the post-compressor gas line while exhausting 100% of the used power gas to the pre-compressor/pre-separator line. No wasted gas, no emissions…ultimate efficiency.

CHECKPOINT OPTIRING SEALING TECHNOLOGY

No dynamic sealing o-rings; a primary cause of failure in many of today’s transfer pumps. Instead, CheckPoint developed the OptiRing - a unique double-acting chemically impervious dynamic seal to meet the demanding conditions found in natural gas separation and compression systems. CheckPoint seals are designed and formulated to handle high pressure, suspended particulates, harsh chemicals, and high temperatures.

MINIMAL MOVING PARTS

One piston, one spool, two D-slides. Outstanding wear characteristics, impeccable performance and reliability. Our patented spool & housing design utilizes principles similar to our proven Series 1250 switching valve, but with much higher flow and pressure capabilities.

ZERO GAS LEAKAGE, ZERO CHEMICAL LEAKAGE,
ENVIRONMENT FRIENDLY:

Simply put, it just can’t happen. CheckPoint’s unique design eliminates the need for troublesome and often leaky packing glands. Our patented spool and housing design allow for our transfer pump to operate against substantial exhaust back pressure, permitting us to provide a truly emissions free and non-venting pneumatic motor. This is the most environmentally friendly chemical transfer pump on the market.

NO MIXING OF POWER GAS AND CHEMICAL

CheckPoint’s BC5400 chemical transfer pump is designed with separate and sealed motor and wet-end compartments. No cross-contamination—even with seal failure.

SIGNIFICANT SYSTEM COST REDUCTION

Eliminate the costs of large and expensive tanks, complicated piping systems, valve placement and repair, vacuum truck service, and labor. The CheckPoint BC5400 pump is designed to run continuously, in the harshest conditions…for years; without significant repair. Please consult CheckPoint for further details.

LIGHT WEIGHT AND COMPACT

At 170 pounds (77kg) and 27.5 inches (70cm), the Series BC5400 can easily be handled and installed.

VERSATILE

The Series BC5400 can handle a wide range of flow rates & pressures, therefore the standard model can handle nearly any BC replacement system. The pump can be easily adjusted to accommodate changing gas production rates, varying gas saturation levels, and changing separator and compressor operating pressures without pump change out. Custom models are available.

ALL STAINLESS CONSTRUCTION

No corrosion. No need to coat. All metallic parts are 316SS or hardened 17-4SS. Our EverWear™ ceramic coating is available on all wearable parts offering nearly infinite life.

FLOW RATE
6 - 496 USG/H
(23 - 1,877 L/H)

PRESSURE
MIN: 50 PSIG
(3.44 BARG)
MAX: 1,000 PSIG
(68.96 BARG)
MAX Differential: 350 PSIG
(24.13 BARG)

DRIVE PISTON DIAMETER
5.00 in

HEAD PISTON DIAMETER
2.5 in

STROKE LENGTH
4.00 in

VOLUME / CYCLE
32 in³

CYCLES / MINUTE
<1 - 60

AMPLIFICATION RATIO
4:1

DIMENSIONS (LHW)
27.5 x 13 x 23.5 in
(70 x 33 x 60 cm)

Field Offices:
USA: Houston, Texas
Canada: Grande Prairie, AB
Europe, Africa: Aberdeen, Scotland (UK)
Middle East: Dubai (UAE)
Asia: Singapore

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