



Technical Bulletin -16-1

DIVIDER BLOCK PRODUCT LINE UPDATE

Edited February 2022

Effective May 1, 2016 CPI, part of the Howden group, released the HP+ and XD+ Divider Block product lines. These products serve as direct replacements for the previous HP and XD Divider Blocks which are being phased out as inventory is depleted.

Current customers will not be impacted by top level part number changes. However, current BOM structures changed as component part numbers needed to be updated. This BOM change also affect the DropsA SMX product line. Our team worked with customers on updating BOM's and cross-references to avoid any delays in orders.

CPI Product Brochures were released detailing the new component part numbers for the HP+, XD+ and DropsA SMX product lines.

If you have any questions, please contact CPI Customer Service at: +1-281-207-4600.

Thank you for your continued support of CPI.

TECHNICAL OVERVIEW OF THE HP+, XD+ AND SMX DIVIDER BLOCKS

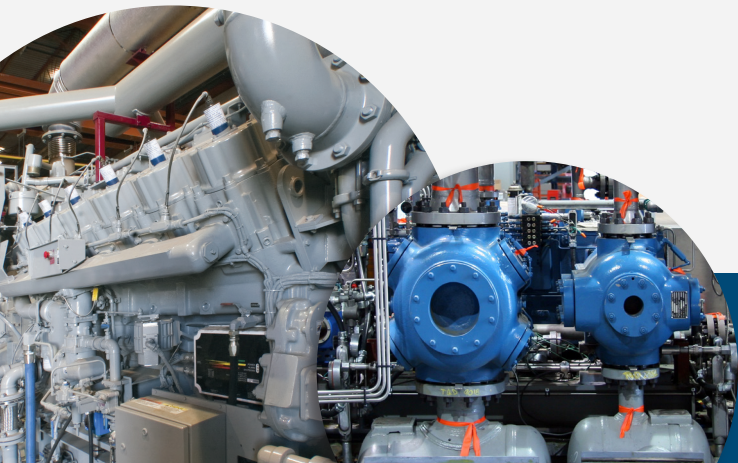
The Divider Block Base Plate Assembly is defined by one part number rather than the individual components that make up the assembly. The Base Plate Assembly will simplify the defining (BOM) and ordering of a Divider Block Assembly.

CPI's HP+, XD+ and DropsA Base Plate Assemblies are pre-assembled and available to accommodate three to eight metering elements (HP+ - 7 Elements, XD+ - 6 Elements, SMX - 8+ Elements). Eight HP+ and XD+ metering element sizes are available ranging in oil output from 0.006 in³ (0.10 cc) to 0.060 in³ (1.00 cc). HP+ and XD+ Divider Blocks feature a CPI Custom 1/8" ORB (O-Ring Boss) threaded port for all inlets, outlets and metering element pin indicator ports. This Custom thread geometry when used with CPI designed check valves, fittings and accessories eliminates the use of thread sealants for a leak free and easy to maintain design. This Custom 1/8" ORB port also allows the use of standard 1/8" NPT fittings to be installed using traditional thread sealant. The CPI Custom 1/8" ORB fittings, check valves and accessories are only available from CPI.

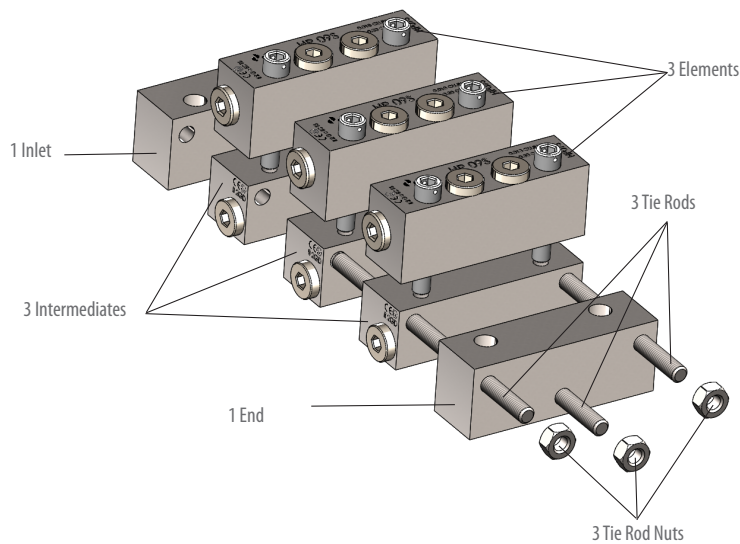
DropsA SMX (4500 PSI, 310 BAR)

HP+ (6500 PSI, 448 BAR)

XD+ (8000 PSI, 552 BAR)



OLD DIVIDER BLOCK CONFIGURATION

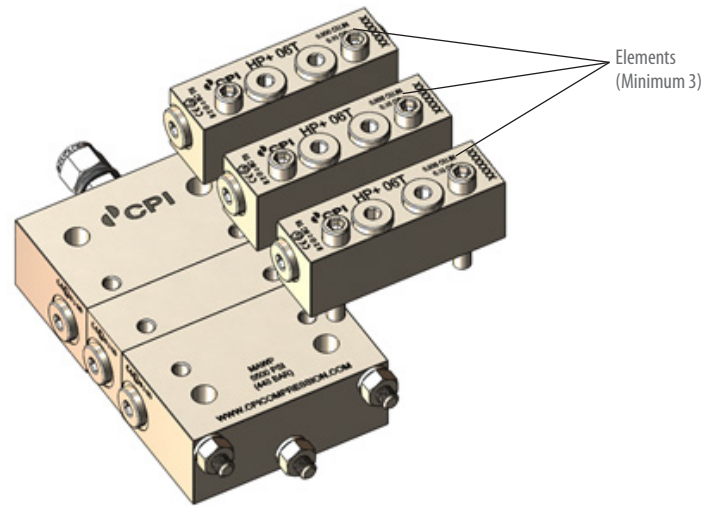


Old way to order a divider block assembly.

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	65003XXXXXXXXX	Inlet	1
2	65003XXXXXXXXX	Intermediates	3
3	65003XXXXXXXXX	End	1
4	65003XXXXXXXXX	Tie Rod	3
5	65003XXXXXXXXX	Tie Rod Nuts	3
6	65003XXXXXXXXX	Plugs	6
7	65003XXXXXXXXX	Elements	3
8*	65003XXXXXXXXX	Accessory	-

*Item 8 is optional, accessory options are Neo Mag, Pin Indicators, Pro Flo 1, Pro Flo Jr., DNFT, Proximity Switch, and Pressure Gauges.

NEW DIVIDER BLOCK CONFIGURATION



Base Assembly Components

1. Inlet (1)
2. Intermediates
3. End (1)
4. Tie Rod (3)
5. Tie Rod Washers (3)
6. Tie Rod Nuts (3)
7. Inlet Fitting (HP+, XD+, SMX)
8. NPT Adapter Fitting (XD+)

New way to order a divider block assembly.

ITEM	PART NO.	DESCRIPTION	QUANTITY
1	65003XXXXXXXXX	Base Assembly	1
2	65003XXXXXXXXX	Elements	3
3*	65003XXXXXXXXX	Accessory	-

*Item 3 is optional, accessory options are Neo Mag, Pin Indicators, Pro Flo 1, Pro Flo Jr., DNFT, Proximity Switch, and Pressure Gauges.

Note:

- Port plugs are not included in BOM.
- Factory built divider blocks will include all needed plugs.
- Purchase plug kits for divider blocks not factory built

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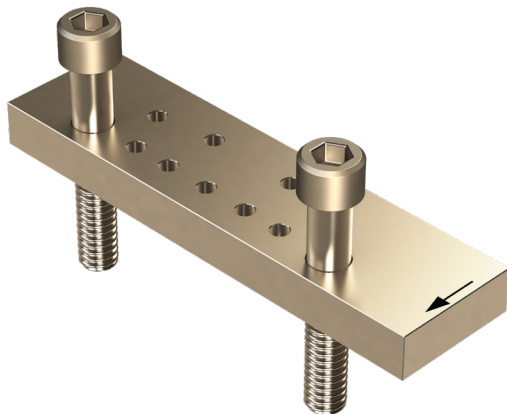
SMX DIVIDER BLOCK ELEMENT CROSS PORT CHANGE

Edited February 2022

Effective May 1, 2016 CPI implemented crossport bars for the SMX elements.

This revision eliminates the internal drilling of the element to create a crossport condition, and is reflective of the quality, safety and innovation culture at CPI. Three crossport bars are available; Crossport Right, Crossport Left and Crossport Both. The crossport bar is installed between the standard element and base plate with longer bolts that come with the crossport bar. The crossport bars offer the same level of performance, eliminate the potential for debris, aid in identifying a crossported element in the field (especially when the assembly is painted), and simplify the ordering and stocking of replacement parts for end users.

This revision reduces the total part numbers for crossport elements from fifty to three. The three crossport bars can be used with any standard element thereby eliminating the need to stock the specific drilled elements.



Example of Crossport Right Bar



Example of Crossport Left Bar Installed