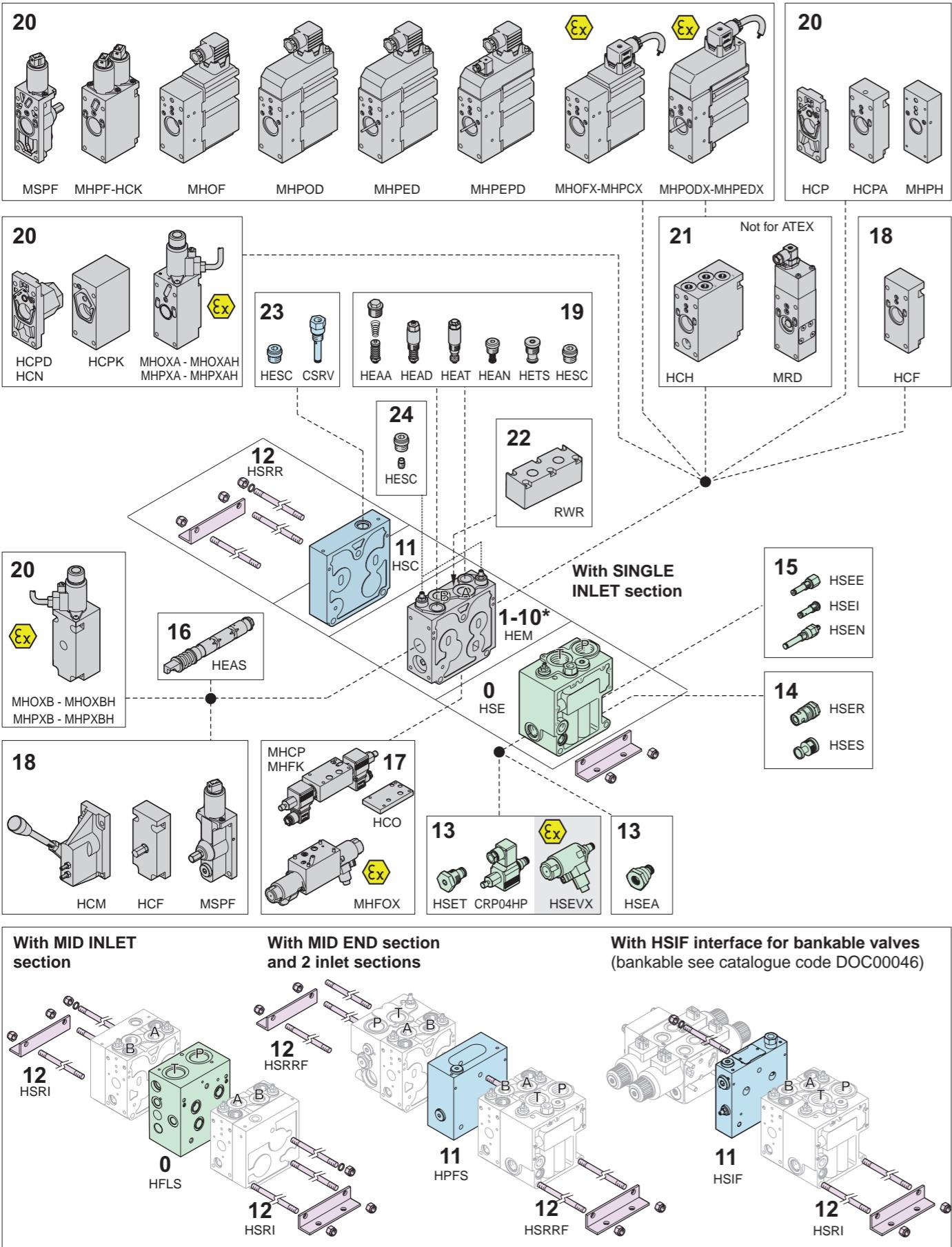


HPV41 Composition form



* Working sections HEM (1-10) are reversibles, actuators (18-20-21) can be assembled on side ports A or B of element.

FIELD 0 - INLET SECTIONS

HSE - Inlet section	B-27
HFSL - Mid inlet section	B-33

FIELD 1 to 10 - WORKING SECTIONS

HEM - Working section	B-38
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FIELD 11 - END SECTIONS

HSC - End section	B-88
HPFS - Intermediate end section	B-90
HSIF - Interface between HPV 41 and CXDH3 / CX3 / CDH3 / CD3 / CDC3	B-91

FIELD 12 - STAY BOLTS KITS

HSRR - Stay bolts kit for single inlet HSE	B-94
HSRI - Stay bolts kit for mid inlet HFSL	B-95
HSRRF - Stay bolts kit for mid end section HPFS	B-96
HSRI - Stay bolts kit for HSIF interface	B-97

FIELD 13 - FACILITIES FOR SOLENOID LS UNLOADING VALVES

HSET - Plug	B-35
CRP04HP - Electrical valve	B-35
HSEA - Cartridge	B-35
HSEVX - ATEX electrical valve	B-35

FIELD 14 - FACILITIES FOR PUMP UNLOADING

HSER, HSES - Valve and plug	B-37
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FIELD 15 - PILOT OIL SUPPLY

HSEE, HSEI, HSEN - Cartridges	B-37
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FIELD 16 - SPOOLS

HEAS - Main spools	B-46
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FIELD 17 - ELECTRICAL UNLOADING LSA-B MODULE

MHFK, MHCP - Unloading modules	B-82
MHFOX - ATEX unloading module	B-84
HCO - Closing module	B-87

FIELD 18 - MECHANICAL ACTUATORS

HCM Mechanical control	B-53
HCF Rear cover	B-53
MSPF - Current electrohydraulic proportional module	B-54

FIELD 19 - SHOCK AND SUCTION VALVE

HEAA, HEAD, HEAT, HEAN, HETS, HESC - Valves and plugs	B-50
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FIELD 20 - MECHANICAL, HYDRAULIC AND ELECTRICAL ACTUATORS

HCN - Friction	B-55
HCP - Rear cover	B-55
HCPA - Adjustable rear cover	B-55
HCPK - Kick-Out device	B-56
HCPD - Spool lock device	B-56
MHPH - Hydraulic activation	B-56
MHPF - Electrohydraulic proportional module	B-57
HCK - electrohydraulic proportional module with pilot oil connections	B-58
MHOF - On/Off electrohydraulic module	B-59
MHOD - Open loop electrohydraulic proportional module	B-60
MHPD - Closed loop electrohydraulic proportional module	B-61
MHPEPD - Closed loop electrohydraulic proportional module	B-63
MHOX, MHOX-H - On/Off electrohydraulic modules ATEX	B-65
MHPX, MHPX-H - Proportional electrohydraulic modules ATEX	B-69
MHOFX - On/Off electrohydraulic ATEX module	B-73
MHPCX - Proportional electrohydraulic ATEX module	B-74
MHPDX - Open loop electrohydraulic proportional ATEX module	B-75
MHPEDX - Closed loop electrohydraulic proportional ATEX module	B-76

FIELD 21 - REMOTE CONTROL

HCH - Hydraulic and electrical remote control	B-78
MRD - Electrical spool movement device	B-80

FIELD 22 - MODULE WITH CHECK VALVE

RWR - Double pilot operated check valve module	B-81
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FIELD 23 - ACCESSORIES FOR HSC AND HSIF ELEMENTS

CSRV module - electrical activations external drain	B-93
HESC module - manual and hydraulic activations internal drain	B-93

FIELD 24 - PLUGS KIT

Kit for closing pressure relief valve cavity	B-52
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SPARE PARTS KIT

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Order form

This order form is the only one ensuring that the product will be defined and ordered correctly without any possible mistakes. It is divided into sectors of pertinence, from 0 to 24, within which the code of the required module must be inserted.

It is also necessary to indicate:

- the setting in bar of the pressure relief valve (sector 0, inlet section);
- when requested, the setting in bar of the LsA/LsB pressure relief valves (sectors 1 to 10, HEM spool elements);

Dana suggests to indicate the pump type and the flow that feeds the proportional valve, so it is possible to test it in working conditions.

The valve is always assembled as indicated in the module assembly selection table (see page B-21), i.e. the HCM module for the manual control inserted in sector of pertinence 18, and the rear modules HCP, HCPD, HCPK, MHPH, MHPE, MHPO, MHOF etc. inserted into sectors of pertinence 20, 21.

If the opposite assembly is required, just select from menu the desired assembly mode: Right / Left HPV feed, HPV feed with HFSL / HPFS module.

Combination table controls

Controls	HCM	HCF	MSPF	MHOXB	MHOXBH	MHPXB	MHPXBH
HCPD HCN	•	—	—	—	—	—	—
HCPK	•	—	•	•	•	•	•
MHOXA	•	—	—	•	—	—	—
MHOXAH	•	—	—	—	•	—	—
MHPXA	•	—	—	—	—	•	—
MHPXAH	•	—	—	—	—	—	•
MSPF	•	•	•	—	—	—	—
MHPF-HCK	•	—	—	—	—	—	—
MHOF	•	—	—	—	—	—	—
MHPOD	•	—	—	—	—	—	—
MHPED	•	—	—	—	—	—	—
MHPEPD	•	—	—	—	—	—	—
MHOFX MHPCX	•	—	—	—	—	—	—
MHPODX MHPEDX	•	—	—	—	—	—	—
HCP	•	—	—	—	—	—	—
HCPA	•	—	—	—	—	—	—
MHPH	•	•	—	—	—	—	—
HCF	—	—	•	•	•	•	•

• = combinable — = not combinable

 ATEX controls. For the ATEX versions you need to use the cast iron controls.