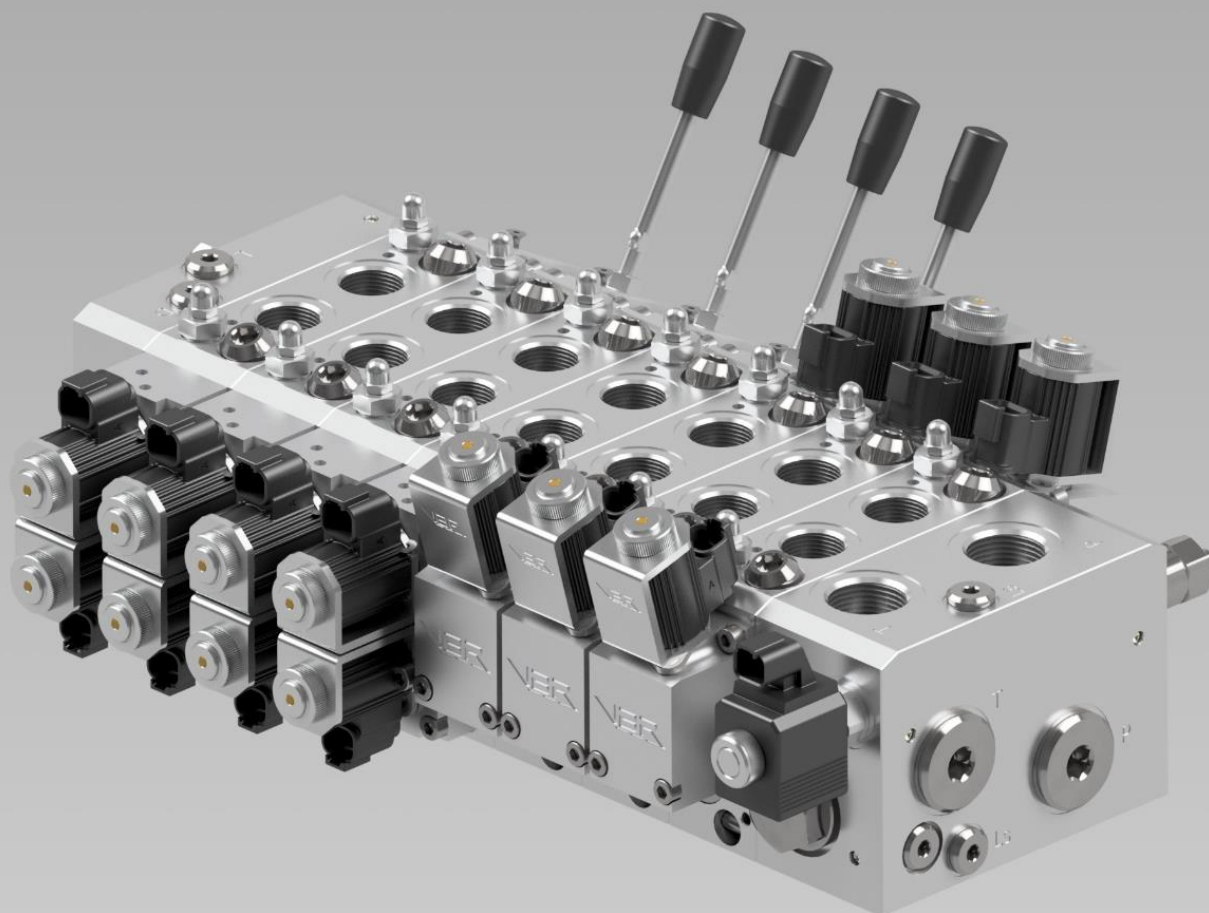


VP20



PRE-COMPENSATED PROPORTIONAL SECTIONAL VALVE

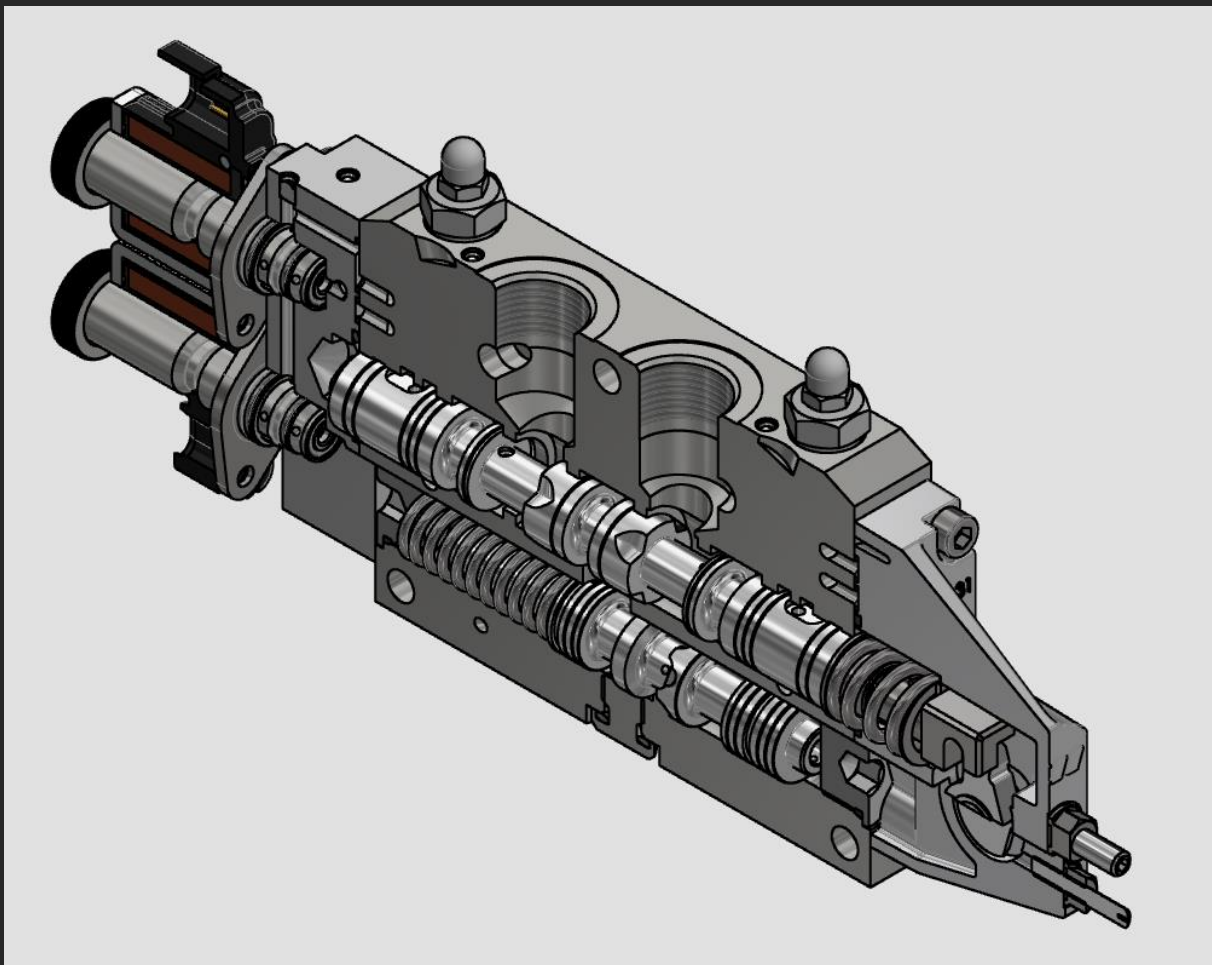


VBR

HYDRAULICS

MAIN FEATURES

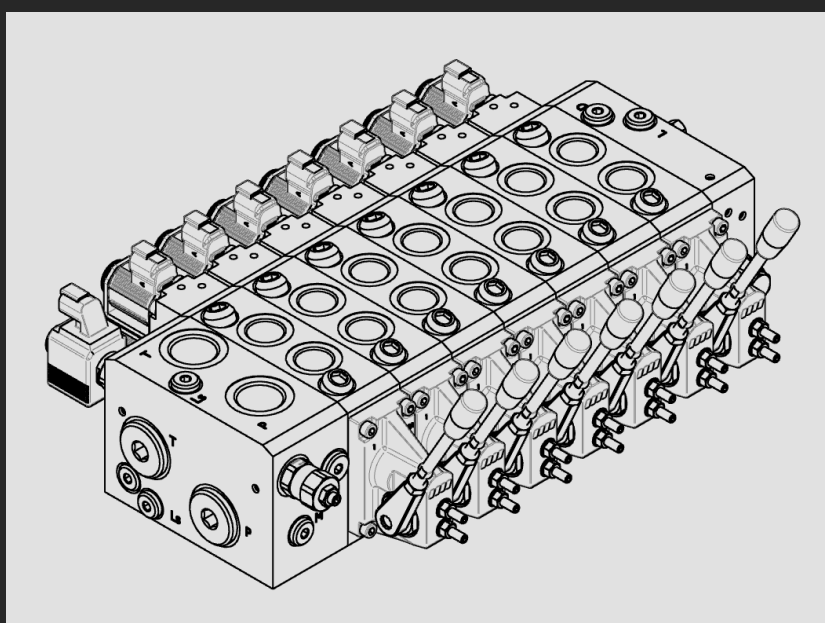
- Load sensing Pressure Pre- Compensated
- Open / Closed center configuration user switchable
- Electro-hydraulic controls with or without manual lever
- Flow rating: up to 220/min
- Supply pressure: max 400bar
- LsA / LsB relief valves
- Auxiliary valves on A and B ports
- Spool position sensor
- Special spool for pressure control
- Available with or without local pressure compensators



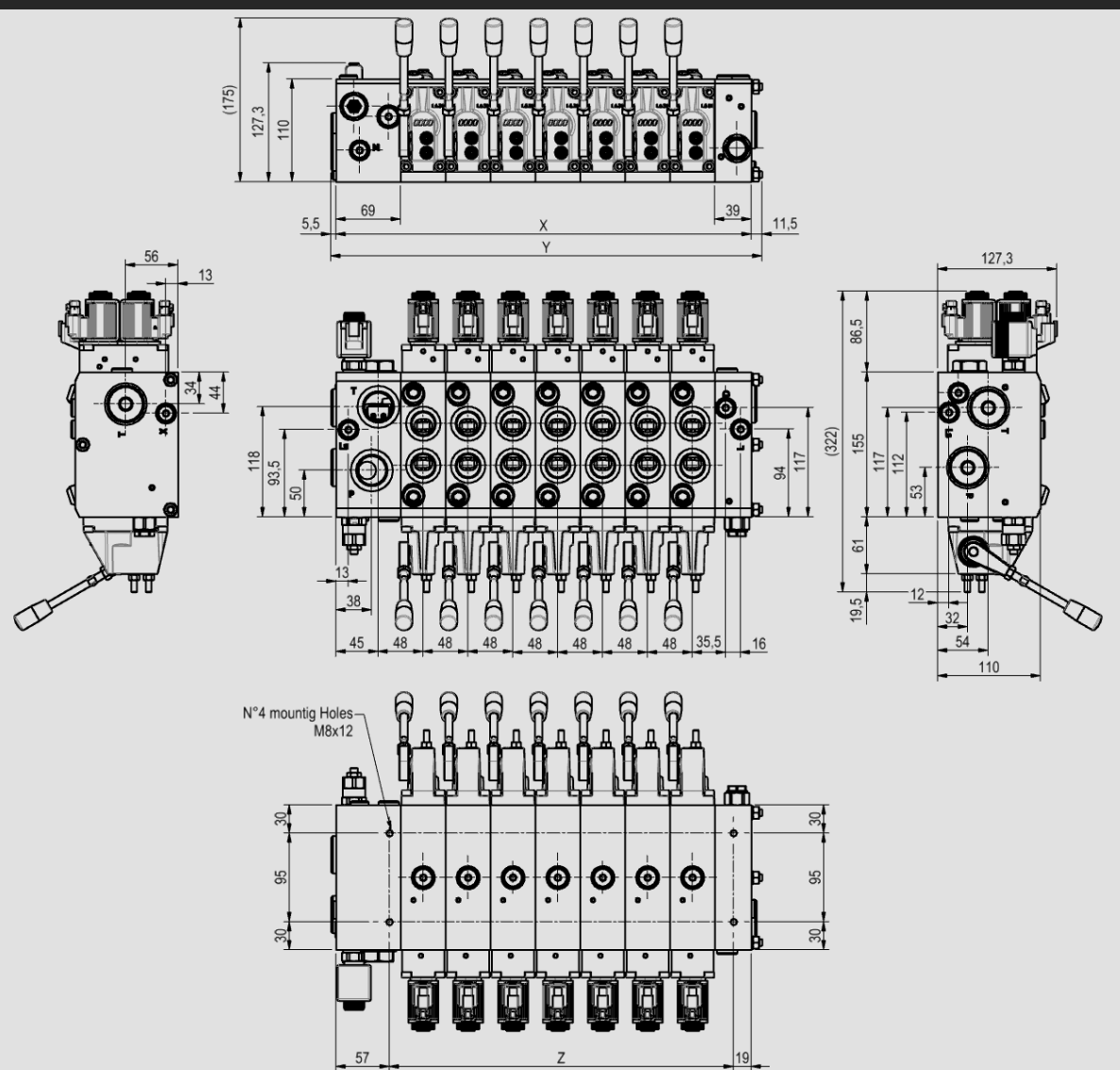
TECHNICAL SPECIFICATION

Nominal inlet flowrate	220	<i>l/min</i>
Nominal flowrate on working port @ Stand-By 11bar	160	<i>bar</i>
Max pressure on P and A, B port	400	<i>bar</i>
Max back pressure on T port	30	<i>bar</i>
Internal leakages @ 100bar with port valves	23 29	<i>cc/min</i>
Fluid	Mineral oil	
Ambient temperature range	-20 / +50	°C
Fluid temperature range	-20 / +80	°C
Fluid viscosity range	10 ÷ 200	<i>cSt</i>
Fluid contamination degree	18/16/13	<i>ISO4406</i>
Materials	Steel Zinc plated	
Port dimensions	P, T: BSP G1" – SAE16 A, B: BSP G3/4 – SAE12; BSP G1" (without LsA, LsB and aux valves) LS, L, D, X: BSP G1/4 – SAE 06	
Nominal voltage	12 / 24	<i>VDC</i>
Coil power	19	<i>W</i>
Proportional control current	0-1500 (12V) / 0-750 (24V)	<i>mA</i>
Connector type	DT04-2P, AMP-JPT, DIN	

Note: technical specification measured with mineral oil 46cSt @ 40°C

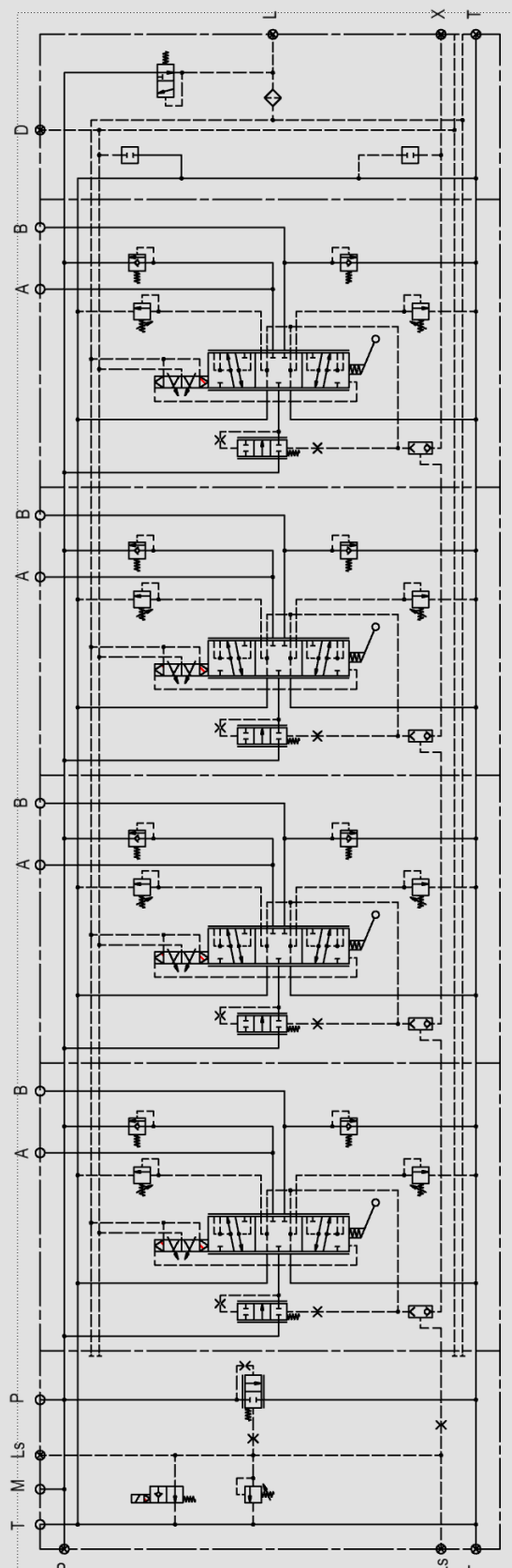


DIMENSIONAL DATA



WORKING SECTION	X [mm]	Y [mm]	Z [mm]
\2	117	173	80
\3	165	221	128
\4	213	269	176
\5	261	317	224
\6	309	365	272
\7	357	413	320
\8	405	461	368
\9	453	509	416
\10	501	557	464

HYDRAULIC DIAGRAM EXAMPLES



APPLICATIONS

- Telehandlers
- Hook lift truck
- Drilling machinery
- Concrete pump
- Garbage compactors
- Fork lift





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