

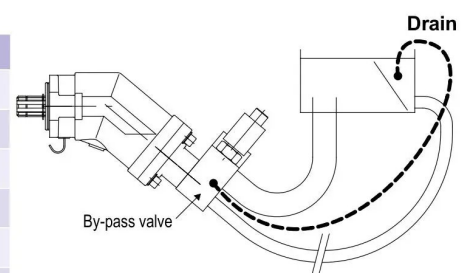
BY-PASS VALVE FOR XPi PUMPS

For XPi pump applications where the pump is driven by a continuous running PTO (PTO which cannot be disengaged), this solution allows the continuous running of the pump:

- without creating problems of fluid overheating;
- without affecting pump service life;
- with no modifications necessary to the hydraulic circuit of the equipment.

⇒ **By-pass fitted on the back of the XPi pump.**

Reference	Pump	Voltage	Connector
BP63-0517931	XPi12 to XPi63	24 V	HIRSCHMANN
BP63-P001835	XPi12 to XPi63	24 V	DEUTSCH DT04-2P
BP80-0522140	XPi80 to XPi130	24 V	HIRSCHMANN
BP80-P001840	XPi80 to XPi130	24 V	DEUTSCH DT04-2P
BP63-0521180	XPi12 to XPi63	12 V	HIRSCHMANN
BP80-0522235	XPi80 to XPi130	12 V	HIRSCHMANN

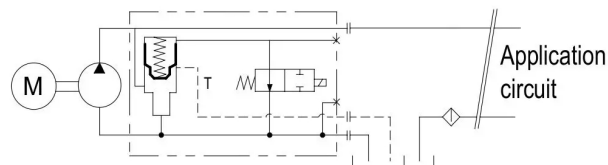


Accessories - XPi

► How does it work ?

The by-pass valve is a 24 Volts solenoid valve.

When not activated, it enables pump output to link up to pump inlet.
When it is activated, the pump operates normally (output flow).



A drain line has to be installed between the By-Pass valve and the hydraulic tank of the vehicle to ensure sufficient oil circulation and a good cooling into the pump. In any case, the connection to the tank must be done below the oil level.

► XPi overhang torque with by-pass

Pump reference	Weight		Overhang torque	
	without inlet fitting (kg)	with inlet fitting 2" (kg)	without inlet fitting (N.m)	with inlet fitting 2" (N.m)
XPi 12	12.8	13.25	16.32	16.90
XPi 18	12.85	13.3	16.39	16.96
XPi 25	12.9	13.35	16.44	17.02
XPi 32	14.7	15.15	18.98	19.56
XPi 41	14.75	15.2	19.04	19.62
XPi 50	14.8	15.25	20.05	20.67
XPi 63	14.85	15.3	20.12	20.73
XPi 80	18.45	18.9	27.16	27.82
XPi 108	18.55	19	27.31	27.97
XPi 130	18.95	19.4	28.16	28.93

► Dimensions with by-pass valve

Pump reference	A	B	C	D	E	F	G	H	J
XPi 12 / 18 / 25	289.35	223.04	202.19	132.20	114.72	97.58	3/4"	54	108
XPi 32 / 41	295.5	229	208.3	137.3	120.1	102.7	3/4"	54	108
XPi 50 / 63	307.1	240.4	220	147.1	129.7	112.5	3/4"	54	108
XPi 80 / 108	334	269	246.7	157.8	143.9	124.8	1"	60	123
XPi 130	336.3	271.3	249	159.7	145.8	126.7	1"	60	123.5

Dimensions in mm.

