

Valuable technical information



SPARE-PART & MAINTENANCE KITS Model HV2/270 and HV2/270A High pressure and low pressure models.

SPERRE's kits of genuine spare-parts include the wear parts you must change when you overhaul the compressor. For example, if you replace a valve, it is strongly recommended to replace the valve gaskets at the same time. With a spare-part kit available, all necessary parts are at hand together with clear installation instructions.



For model HV2/270 and HV2/270A, following kits are available:

Description	Part No	Content of kit
Gasket kit	4117	All flat gaskets, O-rings, sealing rings, and valve copper gaskets.
Crankshaft	2016MK	Crankshaft with all bearings, flywheel key and nut.
LP suction valve	3029MK	Valves and necessary copper rings and gaskets for valve covers.
LP delivery valve	3030MK	Valves and necessary copper rings and gaskets for valve covers.
HP suction valve (Working pressure 15-35 bar)	3022MK	Valves and necessary copper rings and gaskets for valve covers.
2. Stage suction valve (Working pressure 0-10 bar)	3020MK	Valves and necessary copper rings and gaskets for valve covers.
HP delivery valve	3023MK	Valves and necessary copper rings and gaskets for valve covers.
Overhaul kit – LP suction valve	3029MK2	Valve springs, plates, fixing pins and gaskets.
Overhaul kit – LP delivery valve	3030MK2	Valve springs, plates, fixing pins and gaskets.
Overhaul kit – HP suction valve (Working pressure 15-35 bar)	3022MK2	Valve springs, plates, fixing pins and gaskets.
Overhaul kit – 2. Stage suction valve (Working pressure 0-10 bar)	3020MK2	Valve springs, plates, fixing pins and gaskets.
Overhaul kit – HP delivery valve	3023MK2	Valve springs, plates, fixing pins and gaskets.
Piston LP (Compressor type HV2/270)	3420MK	Piston, gudgeon pin with Seeger-rings and piston rings.
Piston LP (Compressor type HV2/270A)	7452MK	Piston, gudgeon pin with Seeger-rings and piston rings.
Piston HP	3406MK	Piston, gudgeon pin with Seeger-rings and piston rings.
Connecting rod LP	1416MK	Connecting rod with small- and big- end bearings.
Connecting rod HP	1422MK	Connecting rod with small- and big- end bearings.
Lubrication oil pump	4441MK	Complete lub. Oil pump, connector, gasket and set screw.
Cylinder head	1271MK	Cylinder head with gaskets, stud bolts/nuts and fittings.
Cylinder block	1127MK	Cylinder block with gaskets, stud bolts/nuts and fittings.
Flex. Coupling disc	4525MK	Coupling disc with bolts and nuts.

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Overhaul kit Routine D (Compressor type HV2/270) (Working pressure 15-35 bar)	7981	All parts needed for 5000-hours' maintenance: Gasket kit, piston rings, gudgeon pin, gudgeon bearing and valve overhaul kits.
Overhaul kit Routine D (Compressor type HV2/270A) (Working pressure 15-35 bar)	7982	All parts needed for 5000-hours' maintenance: Gasket kit, piston rings, gudgeon pin, gudgeon bearing and valve overhaul kits.
Overhaul kit Routine D (Compressor type HV2/270) (Working pressure 0-10 bar)	8426	All parts needed for 5000-hours' maintenance: Gasket kit, piston rings, gudgeon pin, gudgeon bearing and valve overhaul kits.
Overhaul kit Routine D (Compressor type HV2/270A) (Working pressure 0-10 bar)	8427	All parts needed for 5000-hours' maintenance: Gasket kit, piston rings, gudgeon pin, gudgeon bearing and valve overhaul kits.
Overhaul kit Routine E and F (Compressor type HV2/270) (Working pressure 15-35 bar)	8316	All parts needed for 10 000 hours' maintenance: Same as kit D, plus complete valves, non-return valve insert and all crankshaft bearings.
Overhaul kit Routine E and F (Compressor type HV2/270A) (Working pressure 15-35 bar)	8317	All parts needed for 10 000 hours' maintenance: Same as kit D, plus complete valves, non-return valve insert and all crankshaft bearings.
Overhaul kit Routine E and F (Compressor type HV2/270) (Working pressure 0-10 bar)	8437	All parts needed for 10 000 hours' maintenance: Same as kit D, plus complete valves, non-return valve insert and all crankshaft bearings.
Overhaul kit Routine E and F (Compressor type HV2/270A) (Working pressure 0-10 bar)	8438	All parts needed for 10 000 hours' maintenance: Same as kit D, plus complete valves, non-return valve insert and all crankshaft bearings.
Anti condensation kit Anticon II	9017	Cooler cover with built-in water separator, with necessary stud bolts/nuts, gaskets and fittings.

For information:

The low pressure compressor (0-10 bar) have a 2. stage suction valve with an unloading mechanism similar to the unloading mechanism on the 1. stage suction valve.

The high pressure compressor (15-35 bar) have a 2. stage suction valve without this unloading mechanism.

The difference between HV2/270 and HV2/270A-compressors are the LP piston and piston rings. Some of the low pressure piston rings on the A-type compressors are made of a composite material, while the piston rings on ordinary type compressors are all made from metal.

Genuine Sperre parts give you peace of mind at sea!

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