



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	SEALS A or W= NBR V or Z = FPM E= EPDM	FILTER HOUSING / FILTER ELEMENT END CAPS ST= metallic Surface Treatment required	FILTER ELEMENT GLUE E= Epoxy P= Polyurethane	FILTER ELEMENT MEDIA M= metallic wire mesh A = Microfibre P = Paper	SUCTION FILTERS				
									STR STRC	MPA/MPAM MPAC	SFEX	SF2 250 SFMC	SF2 500 SFSC
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any	No Seals (N)	No Seals (N)			
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any	No Seals (N)	No Seals (N)			
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any	No Seals (N)	No Seals (N)			
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any	No Seals (N)	No Seals (N)			
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any	No Seals (N)	No Seals (N)			
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any	No Seals (N)	No Seals (N)			
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A	No Seals (N)	No Seals (N)			
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A	No Seals (N)	No Seals (N)			
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A	No Seals (N)	No Seals (N)			
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A	No Seals (N)	No Seals (N)			
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A	No Seals (N)	No Seals (N)			
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A	No Seals (N)	No Seals (N)			
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A	No Seals (N)	No Seals (N)			
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: Z
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A	No Seals (N)	No Seals (N)		Seals: W	Seals: A
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A	No Seals (N)	No Seals (N)		Seals: Z	Seals: V

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

**SEALS**  
**FILTER HOUSING /  
FILTER ELEMENT  
END CAPS**

**FILTER  
ELEMENT GLUE**

**FILTER  
ELEMENT MEDIA**

**RETURN FILTERS**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	A or W= NBR V or Z = FPM E= EPDM	ST= metallic Surface Treatment required	P= Polyuerthane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	RFEX	MPFX	MPLX	MPTX	MFBX	MPF	MPT	MF�	MDH	MPH MPI	FRI	RF2	
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any	Seals: A		Seals: A	Seals: A	Seals: A		Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any	Seals: A		Seals: A	Seals: A	Seals: A		Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any	Seals: A		Seals: A	Seals: A	Seals: A		Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any	Seals: A		Seals: A	Seals: A	Seals: A		Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	
ENVIRONMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any	Seals: V		Seals: V	Seals: V	Seals: V		Seals: V	Seals: V	Seals: V	Seals: V	Seals: V	Seals: V	
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any													
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any													
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any	Seals: V		Seals: V	Seals: V	Seals: V		Seals: V	Seals: V	Seals: V	Seals: V	Seals: V	Seals: V	
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any	Seals: A		Seals: A	Seals: A	Seals: A		Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	Seals: A	
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A													
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A													
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A		Seals: W,L	Seals: A	Seals: W	Seals: W	Seals: W,L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A		Seals: W,L	Seals: A	Seals: W	Seals: W	Seals: W,L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A		Seals: W,L	Seals: A	Seals: W	Seals: W	Seals: W,L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A		Seals: W,L	Seals: A	Seals: W	Seals: W	Seals: W,L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A		Seals: W,L	Seals: A	Seals: W	Seals: W	Seals: W,L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A		Seals: Z,M	Seals: V	Seals: Z	Seals: Z	Seals: Z,M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A		Seals: Z,M	Seals: V	Seals: Z	Seals: Z	Seals: Z,M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	Seals: V
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	Seals: V
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A		Seals: W or L	Seals: A	Seals: W	Seals: W	Seals: W or L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A		Seals: W or L	Seals: A	Seals: W	Seals: W	Seals: W or L	Seals: W	Seals: W	Seals: W	Seals: W	Seals: W	Seals: A	
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A		Seals: Z or M	Seals: V	Seals: Z	Seals: Z	Seals: Z or M	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: Z	Seals: V	

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	SEALS	FILTER HOUSING / FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	RETURN / SUCTION FILTERS	
					A or W= NBR V or Z = FPM E= EPDM	ST= metallic Surface Treatment required	P= Polyuerthane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	MRSX	LMP 124 MULTIPORT
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any		
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any		
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any		
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any		
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any		
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any		
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any		
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any		
	HEPR	Polyalphaoleofin (PAO)	Generic	Any	V	Any	Any	Any		
	HEPR	Polyalphaoleofin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any		
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A		
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A		
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A		
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A		
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A		
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A		
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A		
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A		
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A		
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A		
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A		
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A		
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A		
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A		
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A		
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A		
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A		
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A		
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A		
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A		
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A		

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	SEALS A or W= NBR V or Z = FPM E= EPDM	FILTER HOUSING / FILTER ELEMENT END CAPS ST= metallic Surface Treatment required	FILTER ELEMENT GLUE P= Polyurethane E= Epoxy	FILTER ELEMENT MEDIA M= metallic wire mesh A = Microfibre P = Paper	SPIN-ON FILTERS	
									MPS	MSH
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any	Green	Green
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any	Green	Green
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any	Green	Green
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any	Green	Green
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any	Red	Red
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any	Red	Red
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	Red	Red
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Red	Red
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any	Green	Green
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Red	Red
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any	Red	Red
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any	Green	Green
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A	Red	Red
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A	Red	Red
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A	Red	Red
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A	Red	Red
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A	Red	Red
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A	Red	Red
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A	Red	Red
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A	Red	Red
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A	Red	Red
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A	Red	Red
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A	Red	Red
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A	Red	Red
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A	Red	Red
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A	Red	Red
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A	Red	Red
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A	Red	Red

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



### HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE

**SEALS**  
**FILTER HOUSING /**  
**FILTER ELEMENT**  
**END CAPS**

**FILTER ELEMENT GLUE**  
**FILTER ELEMENT MEDIA**

### LOW & MEDIUM PRESSURE FILTERS

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	A or W= NBR V or Z = FPM E= EPDM	ST= metallic Surface Treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	LOW & MEDIUM PRESSURE FILTERS													
									LFEX	LMP 110	LMP MULTIPORT 112 / 123	LMP 210 211	LPH 630	LMP 400 401 430 431	LMP 950 951 953 954	LMD 211	LMD 400 401 431	LMD 951	LDP LDD	LMP 900 901	LMP 902 903	
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any														
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any														
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any														
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any														
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any														
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any														
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any														
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any														
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any														
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any														
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any														
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any														
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A														
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A														
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A														
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A														
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A														
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A														
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A														
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A														
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A														
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A														
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A														
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A														
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A														
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A														
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A														
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A														
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A														
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A														
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A														
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A														
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A														

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	SEALS A or W= NBR V or Z = FPM E= EPDM	FILTER HOUSING / FILTER ELEMENT END CAPS ST= metallic Surface Treatment required	FILTER ELEMENT GLUE P= Polyuerthane E= Epoxy	FILTER ELEMENT MEDIA M= metallic wire mesh A = Microfibre P = Paper	HIGH PRESSURE FILTERS												
									FMMX	FMM	FHA 051	FMP 039	FMP 065 135 320	FHP	FHM	FHB	FHF 325	FHD	HPB		
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any													
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any													
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any													
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any													
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any													
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any													
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any													
	HEPR	Polyalphaoleofin (PAO)	Generic	Any	V	Any	Any	Any													
	HEPR	Polyalphaoleofin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any													
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A													
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A													
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A													
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A													
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A													
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A													
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A													
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A													
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A													
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A													
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A													
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A													
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A													
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A													
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A													
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A													
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A													
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A													
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A													

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE



**HYDRAULIC FILTRATION PRODUCTS  
FLUID COMPATIBILITY TABLE**

Fluid main category ISO 6743-4	Symbol ISO-L	Fluid type	Fluid Brand	Fluid designation	SEALS  A or W= NBR V or Z = FPM E= EPDM	FILTER HOUSING / FILTER ELEMENT END CAPS  ST= metallic Surface Treatment required	FILTER ELEMENT GLUE  P= Polyurethane E= Epoxy	FILTER ELEMENT MEDIA  M= metallic wire mesh A = Microfibre P = Paper	STAINLESS STEEL HIGH PRESSURE FILTERS					
									FZP	FZH	FZX	FZB	FZM	FZD
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any						
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any						
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any						
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any						
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any						
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any						
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any						
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any						
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any						
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any						
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any						
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any						
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A						
	HFAS	Fire resistant chemical solution in water	Generic	Any	A	ST	Any	M or A						
	HFB	Fire resistant water-in-oil (W/O) emulsion	Generic	Any	A or W	ST	Any	M or A						
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A						
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A						
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A						
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A						
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A						
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A						
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A						
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A						
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A						
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A						
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A						
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A						
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A						
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A						
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A						
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A						
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A						
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A						

COMPATIBLE  
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									FMMX ATEX	FZP ATEX	FZH ATEX	FZX ATEX
MINERAL BASED OILS	HH	Untreated refined mineral oils	Generic	Any	A	Any	Any	Any				
	HL	Refined mineral oils with anti-rust and anti-oxidant properties	Generic	Any	A	Any	Any	Any				
	HM	HL-type oils with better anti-wear properties	Generic	Any	A	Any	Any	Any				
	HV	HM-type oils with better viscosity / temperature properties	Generic	Any	A	Any	Any	Any				
ENVIROMENTALLY ACCEPTABLE HYDRAULIC FLUIDS	HETG	Triglycerides	Generic	Any	V	Any	Any	Any				
	HEES	Synthetic ester biodegradable	Generic	Any	V	Any	Any	Any				
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	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	A	Any	Any	Any				
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any				
	HEPR	Polyalphaolefin (PAO)	Generic	Any	V	Any	Any	Any				
	HEPR	Polyalphaolefin (PAO)	FUCHS	RENISO SYNTH 68	A	Any	Any	Any				
FIRE RESISTANT AQUEOUS FLUIDS	HFAE	Fire resistant oil-in-water (O/W) emulsion	Generic	Any	A	ST	Any	M or A				
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	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A				
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A				
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A				
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A				
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z	ST	E	M or A				
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 500B-4	E	Any	E	M or A				
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL LD-4	E	Any	E	M or A				
	HFDR	Synthetic phosphate ester	MONSANTO, EASTMAN	SKYDROL 5	E	Any	E	M or A				
	HFDR	Synthetic phosphate ester	QUAKER HOUGHTON	HOUGHTOSAFE 1120	V or Z	ST	Any	M or A				
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	E	M or A				
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	E	M or A				
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPATE ESTER)	HFDU	Synthetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A				
	HFDU	Synthetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A				
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A				
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A				
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A				
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A				
	HFDU	Synthetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A				

COMPATIBLE  
CONTACT MP FILTRI  
NOT COMPATIBLE