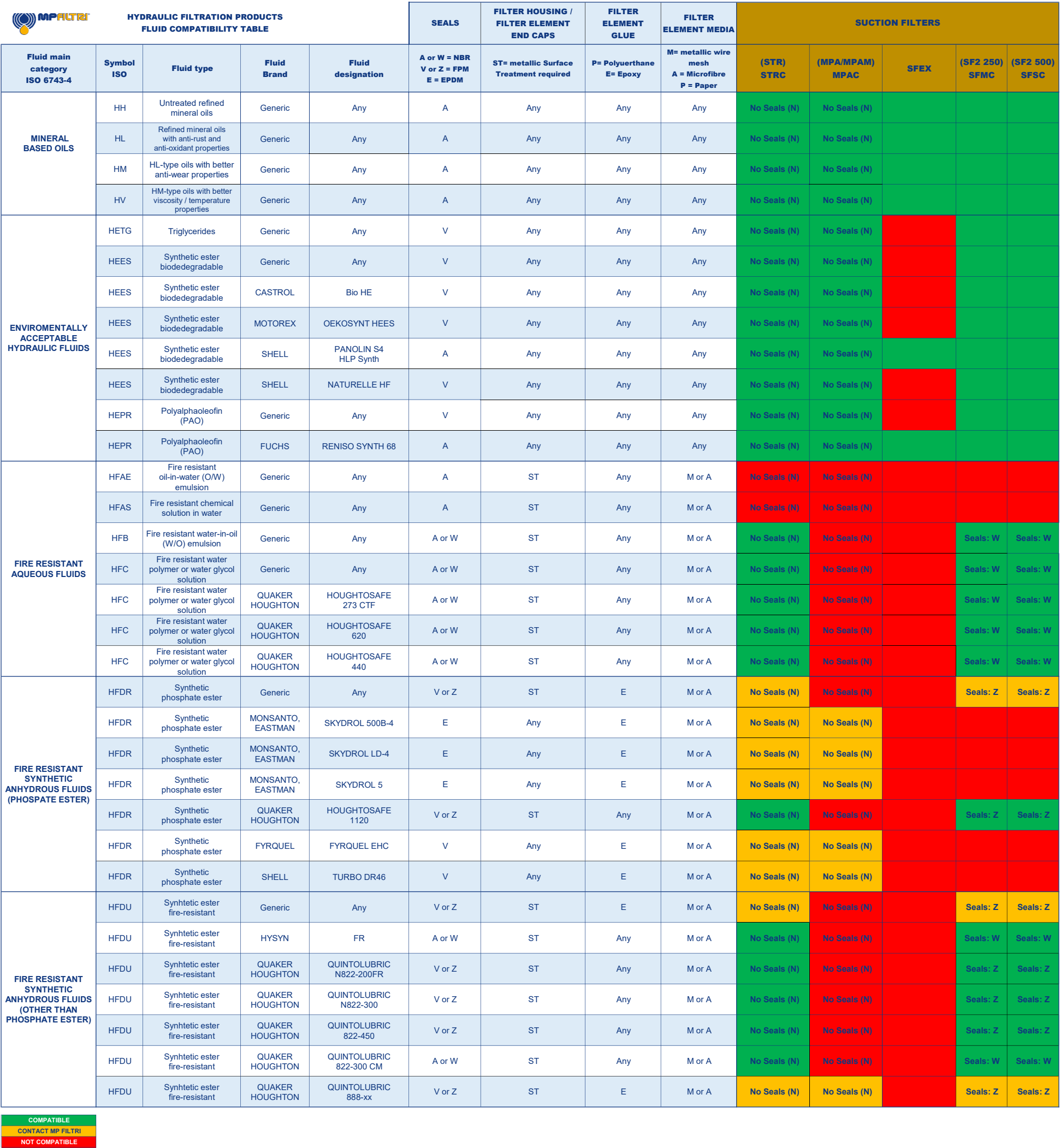
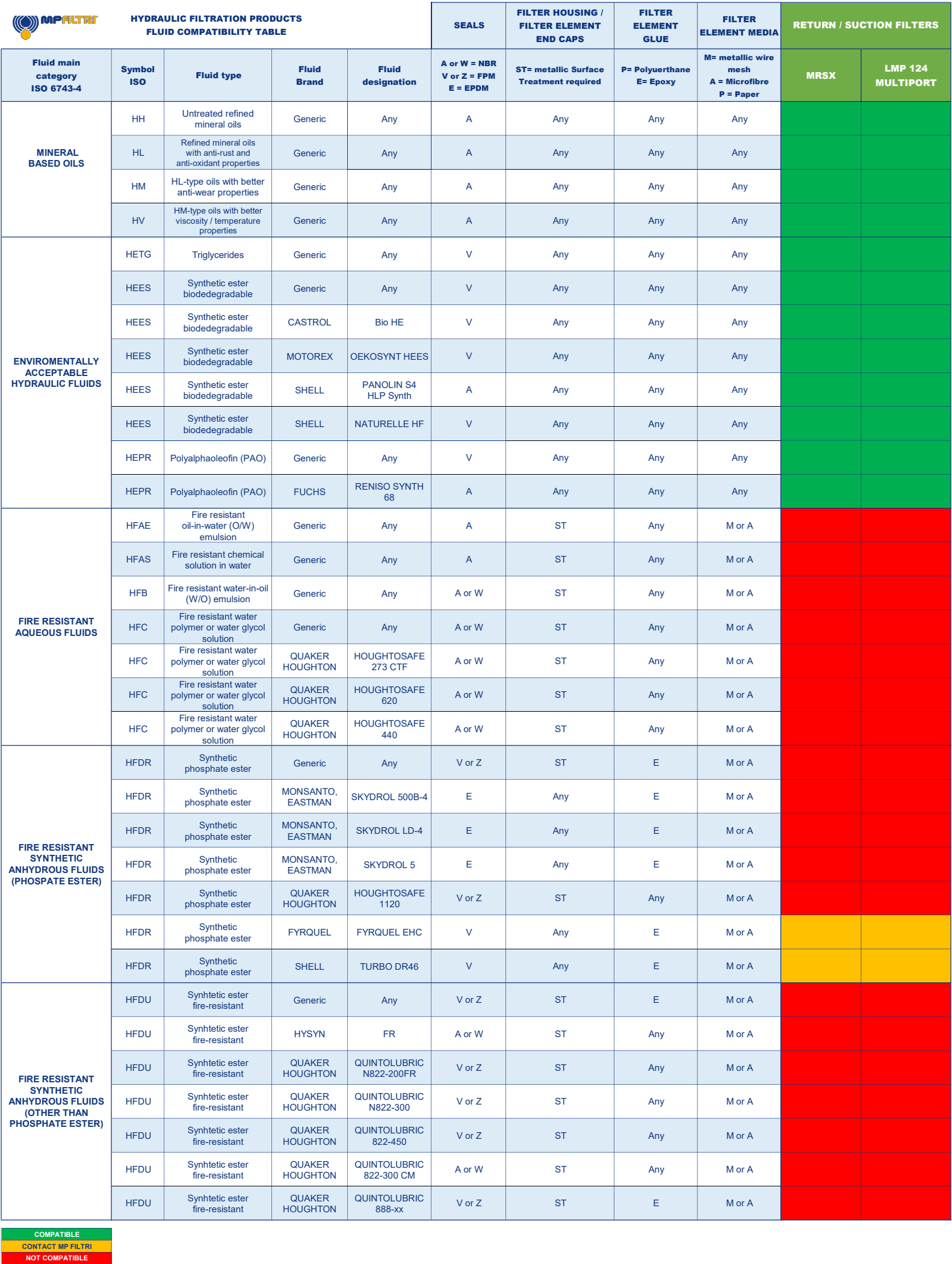




HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HOUSING / FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	RETURN FILTERS													
Fluid main category ISO 6743-4	Symbol ISO	Fluid type	Fluid Brand	Fluid designation	A , W or L = NBR V, Z or M = FPM E = EPDM	ST= metallic Surface Treatment required	P= Polyuerthane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	RFEX	MPFX	MPLX	MPTX	MFBX	MPF	MPT	MFB	MDH	MPH MPI	FRI	FRI 255	FRI 850	RF2
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 or L*	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: A		Seals: W	
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W or L*	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: A		Seals: W	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W or L*	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: A		Seals: W	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W or L*	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: A		Seals: W	
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W or L*	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: A		Seals: W	
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (PHOSPATE ESTER)	HFDR	Synthetic phosphate ester	Generic	Any	V or Z or M**	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: V		Seals: Z	
	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 or M**	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: V	Seals: V	Seals: Z	
	HFDR	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V or Z or M**	Any	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: V	Seals: V	Seals: Z	Seals: V
	HFDR	Synthetic phosphate ester	SHELL	TURBO DR46	V or Z or M**	Any	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: V	Seals: V	Seals: Z	Seals: V
FIRE RESISTANT SYNTHETIC ANHYDROUS FLUIDS (OTHER THAN PHOSPHATE ESTER)	HFDU	Synhtetic 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: V		Seals: Z	
	HFDU	Synhtetic ester fire-resistant	HYSYN	FR	A or W or L*	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: A		Seals: W	
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z or M**	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: V		Seals: Z	
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z or M**	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: V		Seals: Z	
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z or M**	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: V		Seals: Z	
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	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: A		Seals: W	
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z or M**	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: V		Seals: Z	

*L: NBR flat seal on head

**M: FPM flat seal on head



 HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HOUSING / FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	SPIN-ON FILTERS	
Fluid main category ISO 6743-4	Symbol ISO	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	MPS	MSH
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 PHOSPHATE ESTER)	HFDU	Synhtetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A		
	HFDU	Synhtetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A		
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A		
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A		
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A		
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A		
	HFDU	Synhtetic 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					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	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	LFEX	LMP 110	LMP MULTIPORT 112 / 123	LMP 210 211	LPH 630	LMP 400 401 430 431	LMP 950 951	LMP 952 953 954	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	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						Seals:W								
	HFC	Fire resistant water polymer or water glycol solution	Generic	Any	A or W	ST	Any	M or A						Seals:W								
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 273 CTF	A or W	ST	Any	M or A						Seals:W								
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 620	A or W	ST	Any	M or A						Seals:W								
	HFC	Fire resistant water polymer or water glycol solution	QUAKER HOUGHTON	HOUGHTOSAFE 440	A or W	ST	Any	M or A						Seals:W								
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						Seals:W								
	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	Synhtetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A														
	HFDU	Synhtetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A														
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A														
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A														
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A														
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A														
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A														
COMPATIBLE																						
CONTACT MP FILTRI																						
NOT COMPATIBLE																						

COMPATIBLE

CONTACT MP FILTRI

NOT COMPATIBLE



HYDRAULIC FILTRATION PRODUCTS

FLUID COMPATIBILITY TABLE

SEALS

FILTER HOUSING / FILTER ELEMENT

FILTER ELEMENT

FILTER
ELEMENT MEDIA

HIGH PRESSURE FILTERS

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COMPATIBLE

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NOT COMPATIBLE



HYDRAULIC FILTRATION PRODUCTS

FLUID COMPATIBILITY TABLE

HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HOUSING / FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	STAINLESS STEEL HIGH PRESSURE FILTERS					
Fluid main category ISO 6743-4	Symbol ISO	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	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	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 PHOSPHATE ESTER)	HFDU	Synhtetic ester fire-resistant	Generic	Any	V or Z	ST	E	M or A						
	HFDU	Synhtetic ester fire-resistant	HYSYN	FR	A or W	ST	Any	M or A						
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V or Z	ST	Any	M or A						
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V or Z	ST	Any	M or A						
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V or Z	ST	Any	M or A						
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	A or W	ST	Any	M or A						
	HFDU	Synhtetic ester fire-resistant	QUAKER HOUGHTON	QUINTOLUBRIC 888-xx	V or Z	ST	E	M or A						

COMPATIBLE

CONTACT MP FILTERS

NOT COMPATIB

