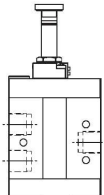
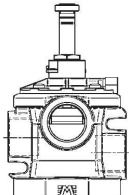


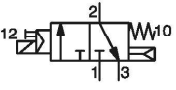
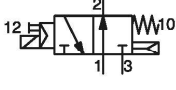
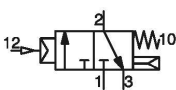
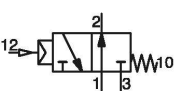
MF-AirDrive™ LH

3/2 POPPET VALVES COMPRESSED AIR LOW/HIGH TEMPERATURE

- Range G 1/4" + G 2"
- The **Low/High temperature** version of MF-AirDrive™ patented by Mec Fluid 2
- Patented conical shutter system
- For high flow rates and cycle numbers
- Robust construction and low weight



Fluid	Filtered compressed air, with or without lubrication							
Ambient Temp.	-40°C ÷ +50°C (L) / -10°C ÷ +150°C (H)							
Fluid Temp.	Max +50°C							
Pressure	Max 10 bar							
Function	3/2 NC I 3/2 NO							
Control	Pneumatic I Indirect Electric							
Return	Mechanical and pneumatic spring							
Manual control								
Connection		G 1/4"	G 3/8"	G 1/2"	G 3/4"	G 1"	G 1 1/2"	G 2"
Shape								
Ø electric operator (mm)	13			13				
Absorption	3,5W (DC) - 5VA (AC) 2,5W (DC) - 3,3VA (AC)			11W{DC}-10VA{AC}				
Voltage	12VDC-24VDC- 24VAC-110VAC-220VAC							
Mounting position								
	Body: aluminum / Seals: Viton (H version)- NBR - Viton (L version) / Internal parts: aluminum - Brass Caps: aluminium							

	Connection	Control	Ø (mm)	Flow rate (l/min)	Pilot supply	Working pressure (P1) from/to (bar)	Control pressure from/to (bar)	Time Exc.12/ Dis.10 (ms)	Electric Pilot Ø (mm)	Weight (gr) LOW/HIGH	Code LOW temp.	Code HIGH temp.
 3/2 NC Solenoid/Spring	G 1/4"	electric	8	1100	internal	1,5---10	---	20/22	13	380/400	-MF-F2510L	-MF-F2510H
	G 3/8"	electric	10	1500	internal	1,5---10	---	20/22	13	365/385	-MF-F2520L	-MF-F2520H
	G 1/2"	electric	15	5500	internal	2,0---10	---	18/25	13	965/985	-MF-F2530L	-MF-F2530H
	G 3/4"	electric	19	6500	internal	2,0---10	---	18/25	13	925/945	-MF-F2540L	-MF-F2540H
	G 1"	electric	25	13500	internal	2,5---10	---	20/30	13	1465/1485	-MF-F2545L	-MF-F2545H
	G 1 1/2"	electric	39	35000	internal	3,0---10	---	45/30	13	4330/4350	-MF-F2560L	-MF-F2560H
	G 2"	electric	50	60000	internal	3,0---10	---	50/35	13	8880/8900	-MF-F2580L	-MF-F2580H
 3/2 NO Solenoid/Spring	G 1/4"	electric	8	1100	internal	1,5---10	---	20/22	13	380/400	-MF-F2511L	-MF-F2511H
	G 3/8"	electric	10	1500	internal	1,5---10	---	20/22	13	365/385	-MF-F2521L	-MF-F2521H
	G 1/2"	electric	15	5500	internal	2,0---10	---	18/25	13	965/985	-MF-F2531L	-MF-F2531H
	G 3/4"	electric	19	6500	internal	2,0---10	---	18/25	13	925/945	-MF-F2541L	-MF-F2541H
	G 1"	electric	25	13500	internal	2,5---10	---	20/30	13	1465/1485	-MF-F2546L	-MF-F2546H
	G 1 1/2"	electric	39	35000	internal	3,0---10	---	45/30	13	4330/4350	-MF-F2561L	-MF-F2561H
	G 2"	electric	50	60000	internal	3,0---10	---	50/35	13	8880/8900	-MF-F2581L	-MF-F2581H
 3/2 NC Air/Spring	G 1/4"	pneumatic	8	1100	---	1,5---10	≥P1---10	10/12	---	300/300	-MF-F2601L	-MF-F2601H
	G 3/8"	pneumatic	10	1500	---	1,5---10	≥P1---10	10/12	---	285/285	-MF-F2606L	-MF-F2606H
	G 1/2"	pneumatic	15	5500	---	2,0---10	≥P1---10	08/15	---	885/885	-MF-F2603L	-MF-F2603H
	G 3/4"	pneumatic	19	6500	---	2,0---10	≥P1---10	08/15	---	845/845	-MF-F2610L	-MF-F2610H
	G 1"	pneumatic	25	13500	---	2,5---10	≥P1---10	10/20	---	1385/1385	-MF-F2615L	-MF-F2615H
	G 1 1/2"	pneumatic	39	35000	---	3,0---10	≥P1---10	45/30	---	4150/4150	-MF-F2620L	-MF-F2620H
	G 2"	pneumatic	50	60000	---	3,0---10	≥P1---10	50/35	---	8750/8750	-MF-F2680L	-MF-F2680H
 3/2 NO Air/Spring	G 1/4"	pneumatic	8	1100	---	1,5---10	≥P1---10	10/12	---	300/300	-MF-F2701L	-MF-F2701H
	G 3/8"	pneumatic	10	1500	---	1,5---10	≥P1---10	10/12	---	285/285	-MF-F2706L	-MF-F2706H
	G 1/2"	pneumatic	15	5500	---	2,0---10	≥P1---10	08/15	---	885/885	-MF-F2703L	-MF-F2703H
	G 3/4"	pneumatic	19	6500	---	2,0---10	≥P1---10	08/15	---	845/845	-MF-F2710L	-MF-F2710H
	G 1"	pneumatic	25	13500	---	2,5---10	≥P1---10	10/20	---	1385/1385	-MF-F2715L	-MF-F2715H
	G 1 1/2"	pneumatic	39	35000	---	3,0---10	≥P1---10	45/30	---	4150/4150	-MF-F2720L	-MF-F2720H
	G 2"	pneumatic	50	60000	---	3,0---10	≥P1---10	50/35	---	8750/8750	-MF-F2780L	-MF-F2780H

ACCESSORIES & SPARE PARTS

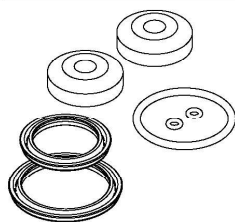
COILS

Available upon request to Mec Fluid Technical Department

CONNECTORS

Available upon request to Mec Fluid Technical Department

SERVICE KIT



Description	Connection	Code
Buffers, lip seals, o-rings	G 1/4" - G 3/8"	-MF-F9610L/H
Membrane, pads, o-rings	G 1/2" - G 3/4"	-MF-F9615L/H
Membrane, pads, o-rings	G 1"	-MF-F9620L/H
Membrane, pads, o-rings, quick-discharge membrane	G 1 1/2"	-MF-F9625L/H
Buffers, lip seals, o-rings, quick exhaust membrane G 2"	G 2"	-MF-F9630L/H

MF-HyDrive™ LH

3/2 POPPET VALVES

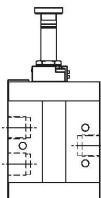
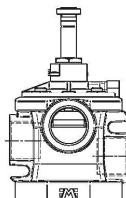
VACUUM - AIR

LOW/HIGH TEMPERATURE

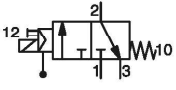
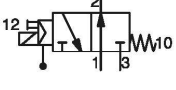
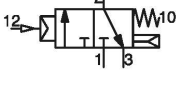
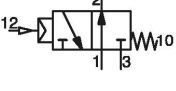
- Range G1/4" ÷ G2"
- The **Low/High temperature** version of MF-HyDrive™
- Extreme flexibility suitable for operation with vacuum and compressed air
- Robust construction and low weight
- Control pressure: 3-10 bar in direct vacuum operations; 6-10 bar in air-vacuum operations



TECHNICAL FEATURES

Fluid	Filtered compressed air, with or without lubrication - vacuum													
Ambient Temp.	-40°C ÷ +50°C (L) / -10°C ÷ +150°C (H)													
Fluid Temp.	Max +50°C													
Max vacuum	755 mmHg													
Pressure	Max 10 bar													
Function	3/2 NC I 3/2 NO													
Control	Pneumatic I Indirect Electric													
Return	Mechanical and pneumatic spring													
Manual control														
Connection	G 1/4"		G 3/8"		G 1/2"		G 3/4"		G 1"		G 1 1/2"		G 2"	
Shape														
Ø electric operator (mm)	13													
Absorption	3,5W (DC) - 5VA (AC) 2,5W (DC) - 3,3VA (AC)					11W(DC)-10VA(AC)								
Voltage	12V DC – 24V DC – 24V AC – 110V AC – 220V AC													
Mounting position	Preferably vertical													
Materials	Body: aluminum / Seals: Viton (H version)- NBR - Silicon (L version) / Internal parts: aluminum - Brass Caps: aluminium													

PRODUCT DATA & CODES

	Connection	Control	Ø (mm)	Flow rate (mq/h)	Pilot Supply	Working pressure (P1) from/to (bar)	Control pressure from/to (bar)	Time Exc.12/ Dis.10 (ms)	Electric Pilot Ø (mm)	Weight (gr) LOW/HIGH	Code LOW temp.	Code HIGH temp.
 3/2 NC Solenoid/Spring	G 1/4"	electric	8	4	external	-1,0 --- 6,0	6,0 ---10	18/28	13	380/400	-MF-G3009L	-MF-G3009H
	G 3/8"	electric	10	10	external	-1,0 --- 6,0	6,0 ---10	18/28	13	365/385	-MF-G3011L	-MF-G3011H
	G 1/2"	electric	15	20	external	-1,0 --- 6,0	6,0 ---10	20/40	13	965/985	-MF-G3020L	-MF-G3020H
	G 3/4"	electric	19	35	external	-1,0 --- 6,0	6,0 ---10	20/40	13	925/945	-MF-G3040L	-MF-G3040H
	G 1"	electric	25	90	external	-1,0 --- 6,0	6,0 ---10	20/45	13	1465/1485	-MF-G3050L	-MF-G3050H
	G 1 1/2"	electric	39	180	external	-1,0 --- 6,0	6,0 ---10	60/40	13	4330/4350	-MF-G3060L	-MF-G3060H
	G 2"	electric	50	250	external	-1,0 --- 6,0	6,0 ---10	80/50	13	8880/8900	-MF-G3068L	-MF-G3068H
 3/2 NO Solenoid/Spring	G 1/4"	electric	8	4	external	-1,0 --- 6,0	6,0 ---10	18/28	13	380/400	-MF-G3010L	-MF-G3010H
	G 3/8"	electric	10	10	external	-1,0 --- 6,0	6,0 ---10	18/28	13	365/385	-MF-G3012L	-MF-G3012H
	G 1/2"	electric	15	20	external	-1,0 --- 6,0	6,0 ---10	20/40	13	965/985	-MF-G3021L	-MF-G3021H
	G 3/4"	electric	19	35	external	-1,0 --- 6,0	6,0 ---10	20/40	13	925/945	-MF-G3041L	-MF-G3041H
	G 1"	electric	25	90	external	-1,0 --- 6,0	6,0 ---10	20/45	13	1465/1485	-MF-G3051L	-MF-G3051H
	G 1 1/2"	electric	39	180	external	-1,0 --- 6,0	6,0 ---10	60/40	13	4330/4350	-MF-G3061L	-MF-G3061H
	G 2"	electric	50	250	external	-1,0 --- 6,0	6,0 ---10	80/50	13	8880/8900	-MF-G3069L	-MF-G3069H
 3/2 NC Air/Spring	G 1/4"	pneumatic	8	4	---	-1,0 --- 6,0	6,0 ---10	5/10		300/300	-MF-G3073L	-MF-G3073H
	G 3/8"	pneumatic	10	10	---	-1,0 --- 6,0	6,0 ---10	8/10		285/285	-MF-G3075L	-MF-G3075H
	G 1/2"	pneumatic	15	20	---	-1,0 --- 6,0	6,0 ---10	8/15		885/885	-MF-G3081L	-MF-G3081H
	G 3/4"	pneumatic	19	35	---	-1,0 --- 6,0	6,0 ---10	10/15		845/845	-MF-G3091L	-MF-G3091H
	G 1"	pneumatic	25	90	---	-1,0 --- 6,0	6,0 ---10	10/17		1385/1385	-MF-G3100L	-MF-G3100H
	G 1 1/2"	pneumatic	39	180	---	-1,0 --- 6,0	6,0 ---10	65/30		4150/4150	-MF-G3110L	-MF-G3110H
	G 2"	pneumatic	50	250	---	-1,0 --- 6,0	6,0 ---10	80/40		8750/8750	-MF-G3120L	-MF-G3120H
 3/2 NO Air/Spring	G 1/4"	pneumatic	8	4	---	-1,0 --- 6,0	6,0 ---10	18/28		300/300	-MF-G3074L	-MF-G3074H
	G 3/8"	pneumatic	10	10	---	-1,0 --- 6,0	6,0 ---10	18/28		285/285	-MF-G3076L	-MF-G3076H
	G 1/2"	pneumatic	15	20	---	-1,0 --- 6,0	6,0 ---10	20/40		885/885	-MF-G3082L	-MF-G3082H
	G 3/4"	pneumatic	19	35	---	-1,0 --- 6,0	6,0 ---10	20/40		845/845	-MF-G3092L	-MF-G3092H
	G 1"	pneumatic	25	90	---	-1,0 --- 6,0	6,0 ---10	20/45		1385/1385	-MF-G3101L	-MF-G3101H
	G 1 1/2"	pneumatic	39	180	---	-1,0 --- 6,0	6,0 ---10	60/40		4150/4150	-MF-G3111L	-MF-G3111H
	G 2"	pneumatic	50	250	---	-1,0 --- 6,0	6,0 ---10	80/50		8750/8750	-MF-G3121L	-MF-G3121H

* Control pressure from/to (bar) : 3,0 --- 10 (Vacuum-Vacuum operation) | 6,0 --- 10 (Vacuum - Air operation)

ACCESSORIES & SPARE PARTS

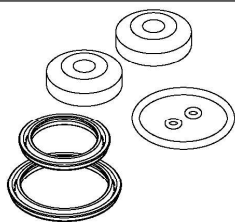
COILS

Available upon request to Mec Fluid Technical Department

CONNECTORS

Available upon request to Mec Fluid Technical Department

SERVICE KIT



Description	Connection	Code
Buffers, lip seals, o-rings	G 1/8"	-MF-F9605L/H
Buffers, lip seals, o-rings	G 1/4" - G 3/8"	-MF-F9610L/H
Membrane, pads, o-rings	G 1/2" - G 3/4"	-MF-F9615L/H
Membrane, pads, o-rings	G 1"	-MF-F9620L/H
Membrane, pads, o-rings, quick-discharge membrane	G 1 1/2"	-MF-F9625L/H
Buffers, lip seals, o-rings, quick exhaust membrane G 2"	G 2"	-MF-F9630L/H