

Robot Arm Options for RVFR and RHFRH Series

Name	Model Number	RVFR					RHFRH					Functional Specification	
		2FR 2FRL	4FR 4FRL	7FR 7FRL	7FRLL	13FR 13FRL 20FR	3FRH	6FRH	12FRH 20FRH	1FRHR	3FRHR		
Solenoid Valve Set	1E-VDO__	X	-	-	-	-	-	-	-	-	-	1, 2 valves	With solenoid valve output cable. First __ = the number of solenoid valves Second __ = Polarity Blank = Sink E = Source
	1F-VDO__02	-	X	X	X	-	-	-	-	-	-	1, 2, 3, 4 valves	
	1F-VDO__03	-	-	-	-	X	-	-	-	-	-		
	1F-VDO__01	-	-	-	-	-	X	X	-	X	-		
	1S-VDO__01	-	-	-	-	-	-	-	X	-	-	4 valves	
	1S-VDO__05	-	-	-	-	-	-	-	-	-	X		
	1S-VDO_W_05	-	-	-	-	-	-	-	-	-	X	4 valves, cleanroom/waterproof specification	
Vacuum Valve Set	1F-VVO__01	-	-	-	-	-	-	-	X	-	-	1, 2 valves with hand input cable (source only)	
Bellows Set	1F-JS-21	-	-	-	-	-	-	-	X	-	-	Protective bellows for J3 spline shaft	
Hand (Curl) Tube	1E-ST040_C	X	X	X	X	-	-	-	-	-	-	2, 4, 6, or 8 channels (RV2F is only 2, 4) ø4 tube size, L = 300 mm. __ indicates the number of channels	
	1E-ST0408C-300	-	-	-	-	-	X	X	-	X	-	8 channels, ø4 tube size, L = 300 mm.	
	1N-ST060_C-01	-	-	-	-	X	-	-	X	-	-	2, 4, 6, or 8 channels, ø6 tube size, L = 600 mm. __ indicates the number of channels	
Hand Tube	1S-ST0304S	-	-	-	-	-	-	-	-	-	X	4 channels, ø4 tube size, L = 400 mm. __ indicates the number of channels	
External Wiring Set 1 (Forearm)	1F-HB01S-01	-	X	X	X	X	-	-	-	-	-	HI + ETH + (EH or FS)	External wiring box used for connecting: Ethernet = ETH Electric Hand = EH Force Sensor = FS Hand Input = HI Hand Input/Output = HIO
External Wiring Set 2 (Forearm)	1F-HB02S-01	-	X	X	X	X	-	-	-	-	-	ETH + (EH or FS) + (EH or FS)	
External Wiring Set 1 (Base)	1F-HA01S-01	-	X	X	X	X	-	-	-	-	-	HIO + (EH or FS) + ETH	
External Wiring Set 2 (Base)	1F-HA02S-01	-	X	X	X	X	-	-	-	-	-	ETH + (EH or FS) + (EH or FS) + HIO	
Internal Wiring and Piping Set for Hand	1F-HS604S-01	-	-	-	-	-	-	-	X	-	-	Inputs x8 + 4 channels, ø6 tube size (For 350mm Z-axis)	
	1F-HS604S-02	-	-	-	-	-	-	-	X	-	-	Inputs x8 + 4 channels, ø6 tube size (For 450mm Z-axis)	
	1F-HS408S-01	-	-	-	-	-	-	X	-	-	-	Inputs x8 + 8 channels, ø4 tube size (For 200mm Z-axis)	
	1F-HS408S-02	-	-	-	-	-	-	X	-	-	-	Inputs x8 + 8 channels, ø4 tube size (For 340mm Z-axis)	
	1F-HS304S-01	-	-	-	-	-	X	-	-	X	-	Inputs x4 + 4 channels, ø3 tube size	
External User Wiring and Piping Box	1F-UT-BOX	-	-	-	-	-	X	X	-	X	-	Box for external routing of user wiring and pneumatics. Includes tubing for 8 channels. (Mounts on rear of J2 axis)	
	1F-UT-BOX-01	-	-	-	-	-	-	-	X	-	-		
Hand Output Cable	1E-GR35S	X	-	-	-	-	-	-	-	-	-	Outputs x4, 300mm length	Cable to connect to robot 24v hand outputs. Connector on robot side, flying leads on device side.
	1F-GR35S-02	-	X	X	X	X	-	-	-	-	-	Outputs x8, 300mm length	
	1F-GR60S-01	-	-	-	-	-	X	X	X	X	-	Outputs x8, 1050mm length With splash proof grommet	
	1S-GR35S-02	-	-	-	-	-	-	-	-	-	X	Outputs x8, 450mm length	
Hand Input Cable	1S-HC30C-11	X	-	-	-	-	-	-	-	-	-	Inputs x4, 300mm length (curled)	Cable to connect to robot 24v hand inputs, connector on robot side, flying leads on device side.
	1F-HC35S-02	-	X	X	X	X	-	-	-	-	-	Inputs x8, 1000mm length	
	1F-HC35C-01	-	-	-	-	-	X	X	-	X	-	Inputs x8, 1650mm total length with 350mm curled section and splash proof grommet	
	1F-HC35C-02	-	-	-	-	-	-	-	X	-	-	Inputs x8, 1800mm total length with 350mm curled section and splash proof grommet	
	1S-HC00S-01	-	-	-	-	-	-	-	-	-	X	Inputs x8, 1210mm total length (400mm usable)	
Connection Cable (Standard Flex)	1F-__UCBL-41	X	X	X	X	X	X	X	X	X	X	Cable used to connect robot arm to controller (Replacement type) 2m, 10m, 15m and 20m options. __ indicates cable length (02, 10, 15, 20)	
Connection Cable (Hi-Flex)	1F-__LUCBL-41	X	X	X	X	X	X	X	X	X	X		
Hard Stops	J1-Axis	1F-DH-05J1	-	-	-	X	X	-	-	-	-	Hard stop to restrict axis movement. (Install per customer specification)	
		1F-DH-04	-	-	X	-	-	-	-	-	-		
		1F-DH-03	-	X	-	-	-	-	-	-	-		
		1F-DH-02	-	-	-	-	-	-	-	X	-		
		1F-DH-01	-	-	-	-	-	X	X	-	X		-
	J3-Axis	1S-DH-11J3	X	-	-	-	-	-	-	-	-		