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**Title: Humphrey Selection Guide**

**ISO Date: October 31, 1997**

**Don't Take Chances**

Compressed air is an extremely powerful medium. Always take maximum precautions when handling any component of a compressed air system. **Never** attempt to construct, replace, operate or service any component of a compressed air system unless you have been specifically and properly trained to do so. **Always** disconnect the supply air and exhaust the air system before attempting to remove or service a component of that system. Failure to heed these warnings could result in **SERIOUS, EVEN FATAL, PERSONAL INJURY.**

**Design And Specifications**

The design and specifications and other product information contained in this catalog is for general reference purposes based upon customary and usual manufacturing standards and product applications. However, it is difficult to predict or to anticipate the functioning or suitability of the product for any particular application or use. Therefore, nothing herein shall be deemed a representation or warranty of the product design or specifications and Buyer shall have the responsibility for investigating and testing the product in any particular application or use and all risks attendant in such use.

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# HUMPHREY SELECTION GUIDE

Organized by Port Size

## SOLENOID

### 2-, 3-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
H010E1	0.01	3E1	0.01	31E1	0.09	(V)062E1	0.12			(VA/VV)500(A)E1	2.16	(VA)590(A)E1	2.56
H041E1	0.08	M3E1	0.01	M31E1	0.06	T062E1	0.11			500E2	2.16	(VA)590(A)E2	2.56
H040 E1	0.08	M3E1-81-MTL	0.01	310	0.12	125E1	0.19			501E1	2.20		
		3E1-PCM	0.01	S310	0.15	T125E1	0.17			501E2	2.20		
		3E1-39-BOU	0.01	M310	0.12	(VA/VV)250(A)E	0.63						
		3E1-TSD	0.01	(VA)125(A)E1L	0.24	250E2	0.63						
		H(V)030E1	0.03	M125E1LW	0.17	320	1.00						
		H110E1	0.23	H181E1	0.57								
		H111E1	0.23										

### 4-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
H040 4E1	0.08	401	0.05	41E1	0.03	42E1	0.43			501-4E1	1.80		
H040 4E2	0.08	M401	0.05	M41E1	0.03	M42E1	0.39			501-4E2	1.80		
		402	0.04	MC41E1	0.03	42E2	0.43						
		M402	0.04	410	0.14	062-4E1	0.07						
		H030-4E1	0.03	410-70	0.14	125-4E1	0.11						
		H110-4E1	0.23	S410	0.13	T062-4E1	0.07						
		H110-4E2	0.23	S410-70	0.13	T125-4E1	0.11						
		H113-4E2	0.21	M410	0.13	M42E2	0.39						
				M410-70	0.13	250-4E1	0.58						
				H180-4E1	0.57	250-4E2	0.88						
				H180-4E2	0.57	H240-4E1	0.88						
				H183-4E2	0.50	H243-4E2	0.83						
						S420	1.00						
						M420	1.00						

## AIR PILOTED

### 2-, 3-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
		2P	0.09	31P	0.29	(VA/VV)250A	0.63			(VA)500A	2.20	(VA)590A	3.73
		3P	0.09	(VA)125A	0.22	250AA	0.85			500AB	2.20	590AB	3.73
				125AA	0.23	250AL	0.65			500AG	2.20	590AG	3.73
				125LA	0.15	250AH	0.50			501A	2.41		
				125AH	0.17					501AA	2.49		

### 4-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
		4P	0.11	41P	0.29	42A	0.38			501-4A	1.89		
		4PP	0.11	41PP	0.28	42A2	0.35			501-4AA	1.89		
		110-4A	0.23	H180-4A	0.50	M42A2	0.32						
		110-4A2	0.23	H180-4A2	0.50	250-4A	0.49						
						250-4AA	0.75						

## MANUAL/MECHANICAL

### 2-, 3-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
		2P	0.09	31P	0.29	250PL	0.83			501V	2.20	590C	3.85
		2V	0.09	31V	0.29	250P	0.84			(V)500C	2.20		
		3P	0.09	125PLG	0.22	250HO	0.83						
		3V	0.09	125P	0.22	250F	0.83						
				125HO	0.22	(V)250C	0.83						
				125B	0.23	250T	0.83						
				125MP	0.22	(V)250V	0.83						
				125MC	0.22								
				125MOC	0.22								
				125C	0.22								
				125T	0.22								
				(V)125V	0.22								

### 4-way

M3	C <sub>v</sub>	10-32	C <sub>v</sub>	1/8"	C <sub>v</sub>	1/4"	C <sub>v</sub>	3/8"	C <sub>v</sub>	1/2"	C <sub>v</sub>	3/4"	C <sub>v</sub>
		4P	0.11	41P	0.29	42P	0.39						
		4PP	0.11	41PP	0.29	42PP	0.39						
		4PPX	0.29	41PPX	0.29	M42P	0.32						
		4PP/PPX	0.29	41PP/PPX	0.29	M42PP	0.29						
		4V	0.11	41V	0.29	M42PA	0.29						
				41T	0.09	250-4F	0.75						
				41R	0.09	250-4H	0.75						