



## K53 SERIES DIAPHRAGM VALVE MASTER CHART

\* FILL IN PROPER DESIGNATIONS TO DETERMINE PRODUCT NUMBER:

K 5 3 - X 2 - 4

<b>BODY SIZE</b> (std)
1 = 1"
4 = 1-1/2"
5 = 2"
7 = 3"

<b>END CONNECTIONS</b> (X std)
X = None

<b>BODY &amp; CAP MATERIAL</b> (2 std)
2 = Noryl

<b>VALVE OPTIONS</b> (00 std) [XNC not valid with solenoid configurations]		
00 = NO	05 = Spring Closed 100#	A2 = LS, PI, SAC
01 = NO, SAO	10 = NO, LS	B2 = XNC, SAC
02 = NO, SAC	11 = NO, LS, SAO	C2 = XNC, LS, SAC
03 = Spring Closed 30#	12 = NO, LS, SAC	D2 = XNC, LS, PI, SAC
04 = Spring Closed 60#	A1 = LS, PI, SAO	SX = Special Valve **

<b>SEAL MATERIALS</b> (1 std) (Option 6 not available on series 535 & 537 valves)					
(Options 2 & 4 no longer available after March 2009)					
(Option 5 not available on XNC or solenoid EO or EC valves)					
OPT.	OPERATING DIAPHRAGM	SEALING DISK	DYNAMIC SEALS	STATIC SEALS	KIT SERIES
1	Buna-N	EP	EP	EP	RAE
2	Fluoroelast.	Fluoroelast.	Fluoroelast.	Fluoroelast.	RAV
4	Fluoroelast.	EP	EP	EP	RAEFV
5	Buna-N	Fluoroelast.	Fluoroelast.	Fluoroelast.	RAVFB (Not Std)
6	Buna-N	Butyl	Butyl	Butyl	RAJ

<b>INTERNAL PARTS</b> (4 std)
4 = Noryl/PVC (140°F (60°C) Valve Rating)

<b>DRILL &amp; TAP BOSSES</b> (0 std [1/8" NPT std for K531/K534; 1/4" NPT std for K535/K537])		
0 = None	3 = Boss #3	6 = Bosses #1,2
1 = Boss #1	4 = Boss #4	7 = Bosses #1,3
2 = Boss #2	5 = Bosses #1,2,3,4	

<b>SOLENOID OPTIONS</b> (0 std)		
0 = None	2 = Energize to Close (EC)	4 = EO w/ Dry Drain
1 = Energize to Open (EO)	3 = Independent pressure (IP)	5 = EC w/ Dry Drain

<b>SOLENOID FEATURES</b> (0 std)	
0 = None	E = 220V/50HZ, NEMA 4
D = 115V/60HZ, NEMA 4	F = 24V/60HZ, NEMA 4

\* To create a valve number replace each "\_" with the proper number or letter for the feature you desire.  
For example, a 2" Plastic Valve Model K535 with Externally Normally Closed and Spring Assist Closed Options is designated as a K535-X2B2-14000.

\*\* A special valve will have a custom drawing number ( \_ \_ \_ \_ \_ )  
and the item number format is ( K53?-X2SX- \_ \_ \_ \_ \_ )  
where the last 5 numbers (Far Right) are the last five digits of the drawing number.

**Valve Option Notes:**

1. Limit Stop &/or Position Indicator options can not be combined with 30#, 60#, or 100# Spring Closed Options.
2. Solenoid Option cannot be combined with NC valves.

REV.	ECO NO.	DESCRIPTION	BY/DATE
H	21190	Revised for Pentair ECN release	JJJ 17-Nov-09
J	21813	Revised line 27.	JJJ 5-Jan-10

16605 West Victor Rd. New Berlin, WI 53151

P: 262-326-0100 | www.aq-matic.com | techsupport@aq-matic.com

© 2016 AQ Matic Valve and Controls Company, Inc. All rights reserved.

All AQ Matic trademarks and logos are owned by AQ Matic or its affiliates. All other registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, AQ Matic reserves the right to change specifications without prior notice. AQ Matic is an equal opportunity employer.