



# K53 SERIES DIAPHRAGM VALVE MASTER CHART

\* FILL IN PROPER DESIGNATIONS TO DETERMINE PRODUCT NUMBER: **K 5 3 - X 2 - - - 4**

**BODY SIZE** (std)  
 1 = 1"  
 4 = 1-1/2"  
 5 = 2"  
 7 = 3"

**END CONNECTIONS** (X std)  
 X = None

**BODY & CAP MATERIAL** (2 std)  
 2 = Noryl

**VALVE OPTIONS** (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 **

**SEAL MATERIALS** (1 std) (Option 6 not available on series 535 & 537 valves)  
 (Option 5 not available on XNC or solenoid EO or EC valves)

OPT.	OPERATING DIAPHRAGM	SEALING DISK	DYNAMIC SEALS	STATIC SEALS	KIT SERIES	TYPICAL USE
1	Buna-N	EP	EP	EP	RAE	Water
5	Buna-N	Fluoroelast.	Fluoroelast.	Fluoroelast.	RAVFB	Acid
6	Buna-N	Butyl	Butyl	Butyl	RAJ	Caustic

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

**DRILL & TAP BOSSES** (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	
2 = Boss #2	5 = Bosses #1,2,3,4	

**SOLENOID OPTIONS** (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

**SOLENOID FEATURES** (0 std) not valid with Independent Pressure (Option A)

0 = None	D = 115V/60HZ, NEMA 4	F = 24V/60HZ, NEMA 4
A = 24VDC	E = 220V/50HZ, 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:**
- Limit Stop &/or Position Indicator options can not be combined with 30#, 60#, or 100# Spring Closed Options.
  - 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
K	1778	Removed Seal Material 2 & 4; Tap 7	JJJ 1-Oct-20
L	1789	ADDED 24VDC TO SOLENIOD	MM 15-Oct-20