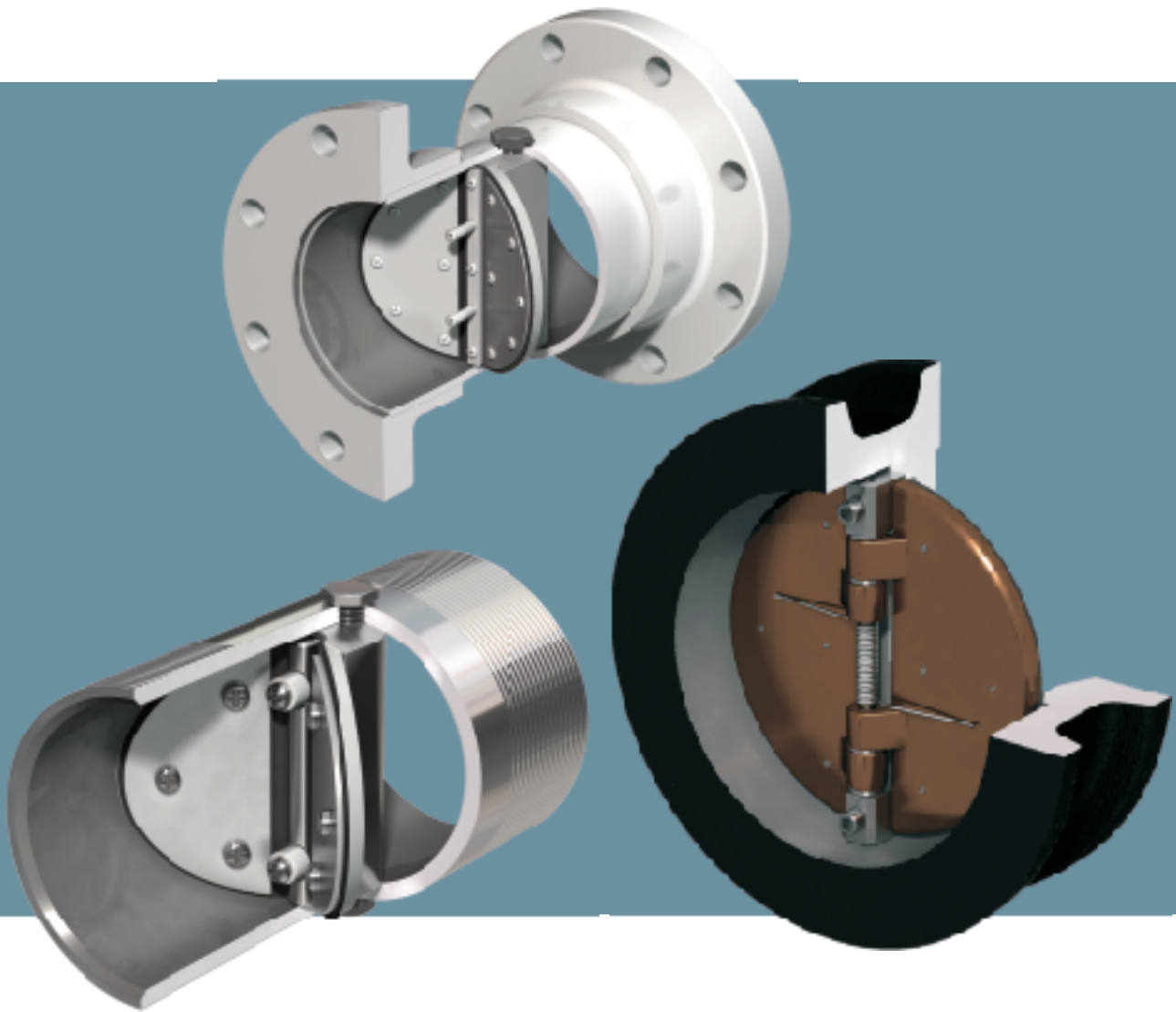


TECHNO™

Multi-Purpose Check Valves for Industry



TECHNO™

MULTI-PURPOSE CHECK VALVES FOR INDUSTRY



**THE
SHORT FORM
(SF) WAFER**

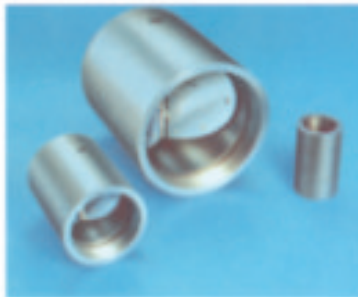
IS THE PERFECT DESIGN FOR
AIR SERVICE AND LIGHT DUTY
LIQUID APPLICATIONS.
AVAILABLE IN SIZES 1" - 72"



**MALE THREADED ENDS,
GROOVED ENDS,
PLAIN ENDS:**
AVAILABLE IN SIZES 1" - 20"



FULL FLANGED:
125#, 150# AND 300#
AVAILABLE IN SIZES 1" - 48"



DEEP WELL: FEMALE THREADED
VALVE DESIGNED FOR DEEP WELL
APPLICATIONS DOWN TO 1000 FEET,
AVAILABLE IN SIZES 1" - 12"



EXI-CHECK: INCREASER/DECREASER
CHECK VALVES IDEAL FOR
PUMP AND BLOWER DISCHARGE
APPLICATIONS.



THERMOPLASTIC VALVES: PVC,
CPVC, PP AND PVDF; FLANGED,
THREADED, PLAIN, GROOVED ENDS
AND WAFER STYLE;
AVAILABLE IN SIZES 1" - 24"



SPECIALS:
WHERE CUSTOM DESIGN IS THE
RULE - NOT THE EXCEPTION -
CALL ON TECHNO.

MULTI-PURPOSE CHECK VALVES FOR INDUSTRY

ELASTOMER HINGE DESIGN

DESIGN FEATURES:

Unrestricted Full Port Seatless Design

- Maximum Flow Area
- Minimum Pressure Drop

Elimination of Metal-to-Metal Rotating Parts

- No Pins to Wear
- No Seats to Wear
- No Routine Maintenance
- No Spring to Break

Non-Slam Quick Closure Feature

- Minimum Travel of Valve Plates from Full Open to Full Closed Position Reduces Closing Time
- Elimination of Spring Restricts "Slamming" Action

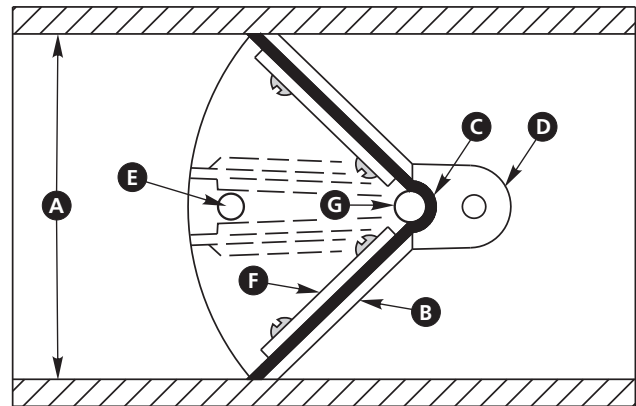
Tight Shut-Off Feature

- Flexible Elastomer Provides Perfect Seal
- Seals Tightly at Extremely Low Back Pressure

CAN BE MOUNTED IN ALMOST ANY POSITION

STANDARD MATERIALS & CONFIGURATION

BODY MATERIALS	
METALS	THERMOPLASTIC
<ul style="list-style-type: none"> • ALUMINUM • BRONZE/BRASS • CAST IRON • CARBON STEEL • 316 STAINLESS STEEL 	<ul style="list-style-type: none"> • PVC • CPVC • PP • PVDF
INTERNAL MATERIALS	
METALS	THERMOPLASTIC
<ul style="list-style-type: none"> • ALUMINUM • BRASS • PLATED STEEL • 316 STAINLESS STEEL 	<ul style="list-style-type: none"> • PVC • CPVC • PP • PVDF
ELASTOMER MATERIALS	
MATERIALS	* TEMPERATURE RANGE
<ul style="list-style-type: none"> • BUNA-N • EPDM • NEOPRENE • VITON • SILICONE 	<ul style="list-style-type: none"> -60°F TO 225°F -40°F TO 225°F -40°F TO 225°F -20°F TO 400°F -100°F TO 500°F
BODY CONFIGURATIONS	
<ul style="list-style-type: none"> • MALE THREADED ENDS • FEMALE THREADED ENDS • PLAIN ENDS • GROOVED ENDS 	<ul style="list-style-type: none"> • FLANGED ENDS • WAFER STYLE • INCREASER/DECREASER • COMBINATIONS



- A. FULL PORT**
Provides maximum flow with minimum pressure loss.
- B. VALVE PLATES**
Offer Metal-to-Metal support and minimum travel.
- C. SEALING MEMBER**
Provides Tight Shut-Off and prolonged cycle life.
- D. HINGE POST**
Precision air foil design offers streamlined flow.
- E. TRAVEL STOP**
Prevents over-travel of plates. Location is size dependent, smaller valves have stops attached to hinge clamp.
- F. CLAMP PLATE**
Provides added support.
- G. HINGE CLAMP**
Remains stationary, no Metal-to-Metal rotation.

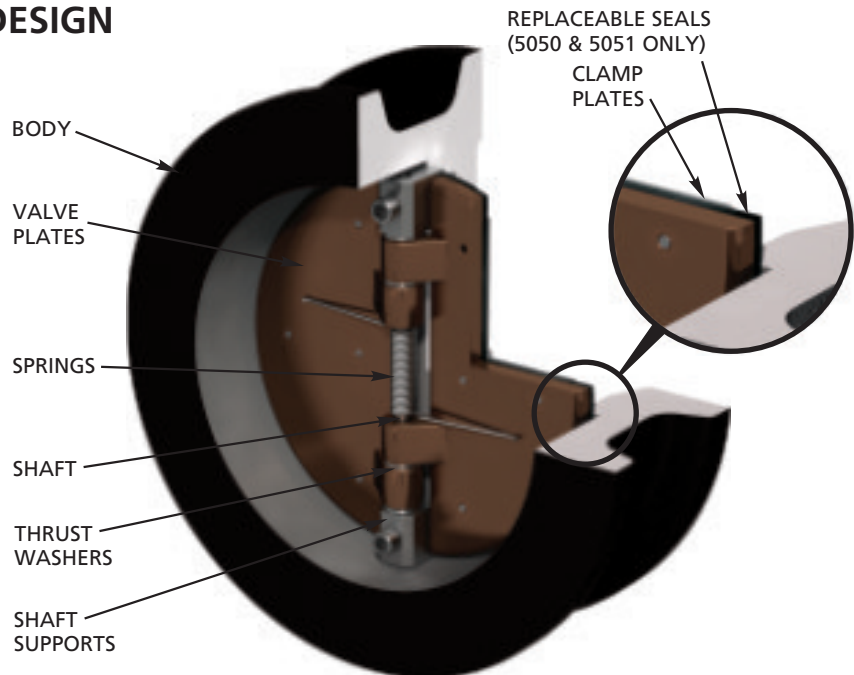
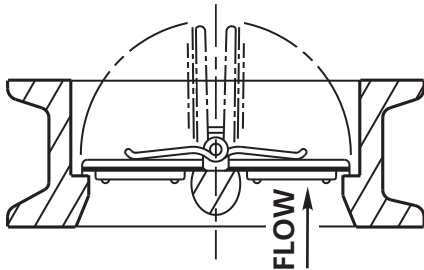
* Temperature range is for general guidance. The figures may vary with application and body/internal materials. Consult factory for materials, sizes and pressure ratings not shown as standard.

MULTI-PURPOSE CHECK VALVES FOR INDUSTRY

TECHNO'S METAL HINGED DESIGN

The industry has long awaited the Dual Plate Metal Hinged Check Valve that offers the innovative features of the new TECHNO design.

The ease of maintenance, the exceptional flow characteristics and the insurance of safety by elimination of body leakage, allows this check valve to be the engineer's dream.



STANDARD MODELS AND MATERIALS OF CONSTRUCTION

STYLE	BODY	VALVE PLATES	SEALS	SPRINGS	TRIM*	ASME CLASS
5050	Cast Iron	Bronze	EPDM	316 Stainless Steel	316 Stainless Steel	125
5051	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	150
5051-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	150
5053	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	300
5053-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	300
5056	Carbon Steel	Carbon Steel ++	Buna-N	316 Stainless Steel	316 Stainless Steel	600
5056-316	316 Stainless Steel	316 Stainless Steel	Buna-N	316 Stainless Steel	316 Stainless Steel	600

* Trim items include: Shaft Supports, Clamp Plates and Fasteners. Teflon Thrust Washers are Standard Through 12" Size.

++ 316 Stainless Steel Valve Plates Standard on 2" to 6" Sizes.

OPTIONAL MATERIALS SELECTION

SPRING DATA	
MATERIALS	TEMPERATURE RANGE**
• INCONEL 600	TO 750°F
• INCONEL X-750	TO 1000°F
SEAL DATA	
MATERIALS	TEMPERATURE RANGE**
• Buna-N	-60°F TO 225°F
• FDA Approved White Neoprene	-40°F TO 225°F
• EPDM	-40°F TO 300°F
• Viton	-20°F TO 400°F
• Teflon	-20°F TO 450°F
• Silicone	-90°F TO 500°F
• Metal-to-Metal +	-400°F TO 1000°F

** This temperature is for general guidance.

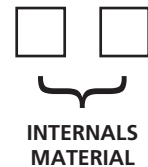
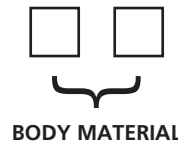
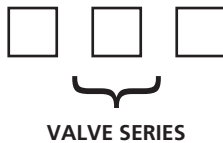
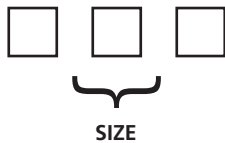
The figures may vary with application and body/internal materials.

+ 316 Stainless Steel Thrust Washers are Standard with Metal-to-Metal Seal Option.



MULTI-PURPOSE CHECK VALVES FOR INDUSTRY

SIZE	VALVE SERIES	BODY MATERIAL	INTERNALS MATERIAL
1.0 = 1"	DPW = Dual Plate Wafer Check, ASME rated 5050, 5051, 5053, 5056	A2 = Alloy 20	A2 = Alloy 20
1.3 = 1 1/4"		AB = Allum Bronze	AB = Allum Bronze
1.5 = 1 1/2"		AL = Alluminum	AL = Alluminum
2.0 = 2"	EHF = Elastomer Hinge Flanged 5001, 5003, 5004, 5102, 5107, 5116, 5117	BR = Brass	BR = Brass
2.5 = 2 1/2"		BZ = Bronze	BZ = Bronze
3.0 = 3"		CI = Cast Iron	CI = Cast Iron
4.0 = 4"	EHW = Elastomer Hinge Short Form Wafer 5005, 5412, 5118, 5831, 5355, 5296, 5865, 5881, 5297(300#)	CP = CPVC	CP = CPVC
5.0 = 5"		CS = Carbon Steel	CS = Carbon Steel
6.0 = 6"		DI = Ductile Iron	DI = Ductile Iron
8.0 = 8"		DS = Duplex Stainless Steel	DS = Duplex Stainless Steel
10.0 = 10"	EHL = Elastomer Hinge Short Form Lug (5463) 5463-300	HB = Hastelloy B	HB = Hastelloy B
12.0 = 12"		HC = Hastelloy C	HC = Hastelloy C
thru	EHB = Elastomer Hinge long Pattern Flanged (5081) (for direct flanging to b'fly valves) 5081-R (RF), 5081-F (FF)	LC = Low Carbon Steel	LC = Low Carbon Steel
72.0 = 72"		M4 = Monel 400	M4 = Monel 400
Exi-Checks:	EHT = Elastomer Hinge Threaded Valve (5000, 5002)	M5 = Monel K500	M5 = Monel K500
E01 = 1.5 x 2		PP = Polypropylene	PP = Polypropylene
E02 = 2 x 2.5	EHV = Elastomer Hinge Victaulic Grooved Valve (5103)	PC = PVC	PC = PVC
E03 = 2 x 3		PD = PVDF (Kynar)	PD = PVDF (Kynar)
E04 = 2.5 x 3	EHP = Elastomer Hinge Plain End Valve (5104)	PS = Plated Carbon Steel	PS = Plated Carbon Steel
E05 = 2.5 x 4		T2 = Titanium Gr. 2	T2 = Titanium Gr. 2
E06 = 3 x 4	EHS = Elastomer Hinge Sanitary Ends (5922)	WC = Cast Steel, A216 Gade WCB	WC = Cast Steel, A216 Gade WCB
E07 = 3 x 6		34 = 304 Stainless Steel	34 = 304 Stainless Steel
E08 = 4 x 5	SCW = Swing Check Metal Wafer Valves, ASME (1200)	36 = 316 Stainless Steel	36 = 316 Stainless Steel
E09 = 4 x 6		42 = 410 Stainless Steel	42 = 410 Stainless Steel
E10 = 5 x 6	SCN = Narrow Profile Tilting Disc Swing Check Valves (100, 110)	4L = 304L Stainless Steel	4L = 304L Stainless Steel
E11 = 6 x 8		6L = 316L Stainless Steel	6L = 316L Stainless Steel
E12 = 8 x 10	XXX = Other**	XX = Other**	XX = Other**
E13 = 10 x 12			
E14 = 12 x 14			
E15 = 14 x 16			
E16 = 16 x 18			
E17 = 18 x 20			
E18 = 20 x 24			
E19 = 24 x 30			
E20 = 30 x 36			
E21 = 3 x 5			
E22 = 5 x 8			
E23 = 2 x 4			
XXX = Other**			



Sample:



MULTI-PURPOSE CHECK VALVES FOR INDUSTRY

SEAL MATERIAL	SPRING MATERIAL	VALVE RATING	END CONNECTIONS	OPTIONS*
B = Buna-N U = EPDM E = Butyl H = Hypalon M = Metal (Metal Hinge Valves Only) N = Neoprene S = Silicone T = Teflon (Metal Hinge Valves Only) V = Viton A W = FDA Approved White Neoprene (Metal Hinge Valves Only) X = Other**	32 = 302 SS 36 = 316 SS HB = Hastelloy B HC = Hastelloy C 60 = Inconel 600 75 = Inconel X-750 M4 = Monel 400 NS = No Spring XX = Other**	A12 = ASME 125 A15 = ASME 150 A30 = ASME 300 A60 = ASME 600 030 = 30 psi-cwp 050 = 50 psi-cwp 100 = 100 psi-cwp 125 = 125 psi-cwp 150 = 150 psi-cwp 300 = 300 psi-cwp 450 = 450 psi-cwp XXX = Other**	RF = Raised Face FF = Flat Face MP = Male Threaded Ends FP = Female Threaded Ends TC = Tri-Clamp Ends VC = Victaulic Grooved PE = Plain Ends XX = Other**	Consult factory for options such as: Epoxy Coat Drain Holes Bypass Holes Special Ports Special Paint Fasteners etc.

* **Techno assigns option suffix numbers to identify special valves.**

Once an option number is assigned to specify the special valve, that number can then be used to reorder an identical valve. Consult factory for options.

** Other: "X" or "XX" or "XXX" indicates a choice other than standards shown.

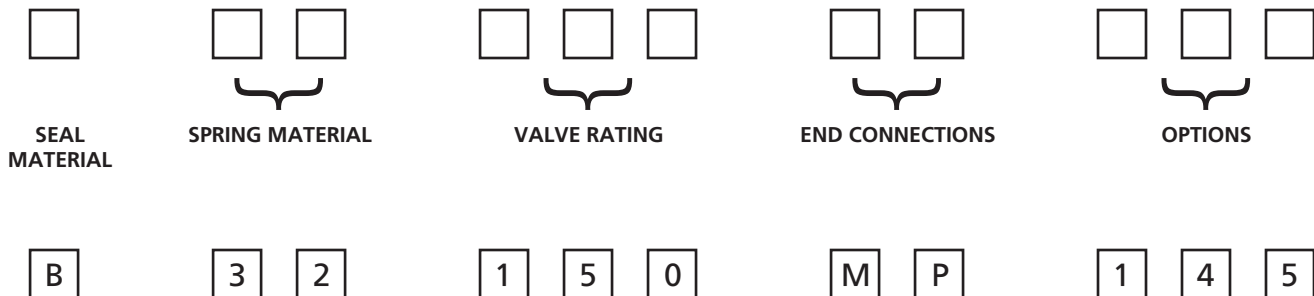
Note: Certain combinations are not available.

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MONEL	INCO Alloys International, Inc.
NEOPRENE	E.I. DuPont De Nemours & Company
STELLITE	Stoody Deloro Stellite, Inc.
TEFLON	E.I. DuPont De Nemours & Company
VITON	E.I. DuPont De Nemours & Company



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