

KIMRAY TRIM MATERIALS

STEM GUIDED HIGH PRESSURE CONTROL VALVES TRIM SETS



SIZE	SERVICE	1 IN			2 IN		
		LINEAR	QUICK OPEN	EP	LINEAR	QUICK OPEN	EP
1/8"	Standard	T2842	T2856	T6400			
	Corrosive	T2842SS6		T6400SS6			
	Erosive						
	Mixed Duty	T2842PH					
3/16"	Standard	T2841	T2855				
	Corrosive	T2841SS6					
	Erosive						
	Mixed Duty	T2841PH					
1/4"	Standard	T2840	T2854	T4730	T2895	T2890	T6404
	Corrosive	T2840SS6		T4730SS6			T6404SS6
	Erosive			T4730ZR			
	Mixed Duty	T2840PH			T2895PH		T6404PH
	Standard	T2838	T2853		T2896	T2891	
3/8"	Corrosive	T2838SS6			T2896SS6		
	Erosive					T2891ZR	
	Mixed Duty	T2838PH			T2896PH		
	Standard						T2993
7/16"	Corrosive						T2993SS6
	Erosive						T2993ZR
	Mixed Duty						T2993PH
	Standard	T2839	T5307	T4732	T2897	T2892	
1/2"	Corrosive	T2839SS6		T4732SS6	T2897SS6		
	Erosive			T4732ZR			
	Mixed Duty	T2839PH			T2897PH		
	Standard						T2992
5/8"	Corrosive						T2992SS6
	Erosive						T2992ZR
	Mixed Duty						T2992PH
	Standard				T2898	T4690	
3/4"	Corrosive				T2898SS6		
	Erosive					T4690ZR	
	Mixed Duty				T2898PH		
	Standard						T2947
7/8"	Corrosive						T2947SS6
	Erosive						T2947ZR
	Mixed Duty						T2947PH
	Standard				T2899	T4691	
1"	Corrosive				T2899SS6		
	Erosive					T2899ZR	
	Mixed Duty					T2899PH	

Ball, stem and seat materials can vary per trim set (i.e. T2842 includes CR ball, S6 stem and D2 seat). See [catalog page 1:200.2](#).

TRIM TYPES

LINEAR (NOMINAL):

Throttling liquids, liquid level control, water hammering issues and where abrasive material is not present in the stream.

QUICK OPENING (SNAP):

On/off service; system goes from open to closed or vice versa instantly. Liquid dump, metering, and highly abrasive service.

EP (EQUAL PERCENTAGE):

Control pressure or flow of liquids/gases in throttling applications. Precise control at high pressure drops throughout the valve's range of positions.

REDUCED EP (CAGE GUIDED ONLY):

Reduce the flow area while maintaining line size.

MODIFIED EP (CAGE GUIDED ONLY):

Max flow at full open and precise control at the lower end.

TRIM MATERIAL	CORROSION RESISTANCE	EROSION RESISTANCE
303 Stainless Steel (S3)	Medium	Low
316 Stainless Steel (S6)	High	Low
D2 Steel (D2)	Mild	Medium
17-4PH (PH)	Medium	Medium
Carbide (CR)	High	High
Zirconia (ZR)	Very High	Very High



STANDARD: Liquid or gas applications w/o sand or erosives
CORROSIVE: H2S, CO2, etc.
EROSIVE: Saltwater disposal, flowback, heavy erosives
MIXED: Applications with both corrosive and erosive flow

Assemblies and trim sets often include components made of different materials.

LPHV PNEUMATICALLY OPERATED LIQUID DUMP VALVES PLUG ASSEMBLIES

TRIM	SERVICE	2 IN	3 IN	4 IN
Full Port	Standard	MYM	MYO	MYT
	Corrosive	MYMS6	MYOS6	MYTS6
	Erosive	MYMD2	MYOD2	MYTD2
	w/o Cylinder	MYJ	MYK	
Reduced Port	Standard	MYN	MYP	MYS
	Corrosive	MYNS6	MYPS6	MYSS6
	Erosive	MYND2	MYPD2	MYSD2
	w/o Cylinder	MYI	MYL	
Seat Disc Only	Full Port	7669HSN	7685HSN	7903HSN
	Reduced Port	7498HSN	7669HSN	7685HSN

Elastomers are HSN standard, with optional Viton (add V to end of code).

See [catalog page 4:20.3](#) for details.

Component materials vary per assembly. (i.e. MYMD2 includes S3, 17-4PH & D2 components)



CAGE GUIDED HIGH PRESSURE CONTROL VALVES PLUG ASSEMBLIES

TRIM	SERVICE	2 IN	3 IN	4 IN	6 IN	8 & 10 IN
EP	Standard	EFB	EFC	EFF	EFQ	EIC
	Corrosive	EFBS6	EFCS6	EFFS6	EFQS6	EICS6
	Erosive	EFBZR	EFCZR	EFFZR	EFQZR	EICZR
	Mixed	EFBPH	EFCPH			
Reduced EP	Standard	EFR	EHZ	EVK	MGE	MGI
	Corrosive	EFRS6	EHZS6	EVKS6	MGES6	MGIS6
	Erosive	EFRZR	EHZZR	EVKZR	MGEZR	MGIZR
Modified EP	Standard					MGJ
	Corrosive					MGJS6
	Erosive					MGJZR
Quick Open	Standard	EFBQO	EFCQO			
	Corrosive	EFBQOS6	EFCQOS6			
	Erosive	EFBQOZR	EFCQOZR			
	Mixed		EFCQOPH			

See [catalog page 1:210.2](#) for order codes with elastomer options.

Seat and ratio plug materials can vary per assembly. (i.e. EIC includes S6 seat & D2 ratio plug)



STUFFING BOX ASSEMBLIES

TRIM	SERVICE	1 IN	2 IN	3 & 4 IN	6, 8, 10 IN
Stem Guided	Standard	EAW	EBY		
	Corrosive	EAWS6	EBYS6		
	Erosive	EAW	EBY		
Oversized Soft Seats	Standard	EAX	EBZ		
	Corrosive	EAXS6	EBZS6		
Cage Guided	Standard		EFY	EFZ	EVJ

Optional elastomers: V=Viton; AF=Aflas; AFVPK=Aflas w/ Vee Packing; HSN (i.e. EBYHSN)

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