

DESCRIPTION / TANIM

Back-Flushing control valves are the 3-way control valves which are operated by line pressure or an external pneumatic pressure. Valve works in filtration and back flushing mode as coordinated with filter elements in the system. Diaphragm-Disc mechanism of the valve works as bidirectional. When the valve is changing from filtration mode to backwashing mode, the disc changes its direction and opens the discharge port. It thereby prevents that fresh water is mixed with waste water and cleans filter elements in the best manner.

Ters yıkama kontrol vanaları, filtrasyon sistemlerinde hat basıncı veya harici bir pnömatik basınç ile çalışan 3 yollu kontrol vanalarıdır. Vana sistemdeki filtre elemanlarıyla koordineli olarak filtrasyon ve ters yıkama modunda çalışır. Vananın diyafram-klap mekanizması 2 yönlü çalışır. Vana filtrasyon modundan, ters yıkama moduna geçerken klap yönünü değiştirerek tahliye yolunu açar. Böylece sistemdeki temiz su ile kirlı suyun karışmasını önleyerek filtre elemanlarını en iyi şekilde temizler.

AVAILABLE MODELS / MEVCUT MODELLER



Model 21



Model 27



Model 28



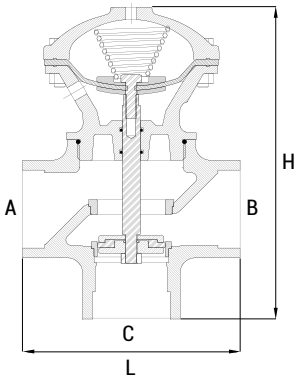
Model 37



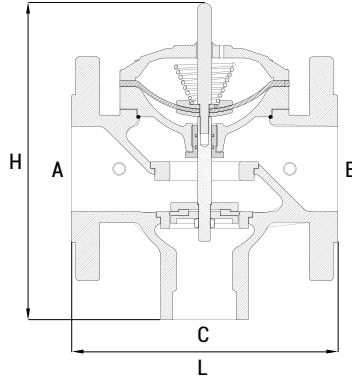
Model 38

OPERATION PRINCIPLES / ÇALIŞMA PRENSİPLERİ

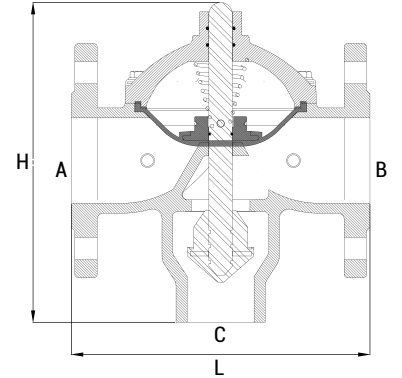
Code Kod	Model Model	A		B		C		H	L	Weight / Ağırlık	
								mm	mm	kg	lbs
2122	21	2"	Threaded / BSP / Dişli / BSP	2"	Threaded / BSP / Dişli / BSP	2"	Threaded / BSP / Dişli / BSP	230	183	6,5	14,3
2732	27	3"	Flanged / PN16 / Flanş / PN16	3"	Flanged / PN16 / Flanş / PN16	2"	Threaded / BSP / Dişli / BSP	285	241	20,0	44,1
2832	28	3"	Grooved End / Kaplin	3"	Grooved End / Kaplin	2"	Threaded / BSP / Dişli / BSP	285	220	12,5	27,6
2743	27	4"	Flanged / PN16 / Flanş / PN16	4"	Flanged / PN16 / Flanş / PN16	3"	Threaded / BSP / Dişli / BSP	293	280	31,0	68,3
2843	28	4"	Grooved End / Kaplin	4"	Grooved End / Kaplin	3"	Threaded / BSP / Dişli / BSP	293	275	24,0	52,9
3732	37	3"	Flanged / PN16 / Flanş / PN16	3"	Flanged / PN16 / Flanş / PN16	2"	Threaded / BSP / Dişli / BSP	275	270	18,0	39,7
3832	38	3"	Grooved End / Kaplin	3"	Grooved End / Kaplin	2"	Threaded / BSP / Dişli / BSP	275	270	12,0	26,5



Model 21

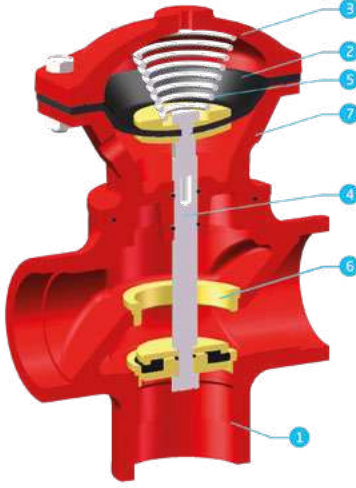


Model 27 / 28

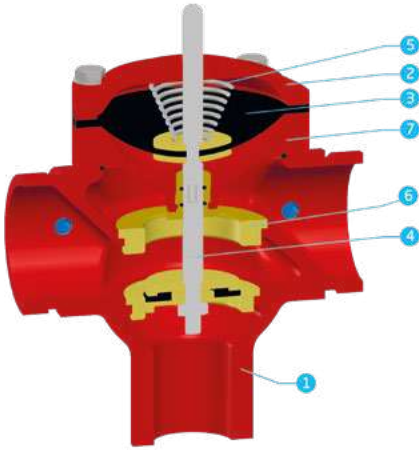


Model 37 / 38

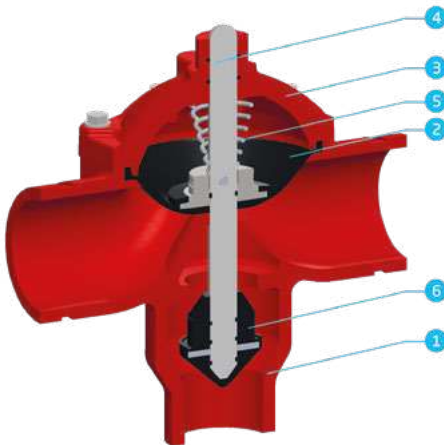
MAIN PARTS / ANA PARÇALAR



Model 21		
Part No Parça No	Part Name Parça Adı	Material Malzeme
1	Body / Gövde	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
2	Diaphragm / Diyafram	Natural Rubber Nylon Reinforced / NR+Bez
3	Upper Bonnet / Üst Kapak	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
4	Stem / Mil	AISI 304 / AISI 304
5	Spring / Yay	AISI 302 / AISI 302
6	Seat / Burç	Brass (Ms58) / Pirinç (Ms58)
7	Middle Bonnet / Orta Kapak	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)

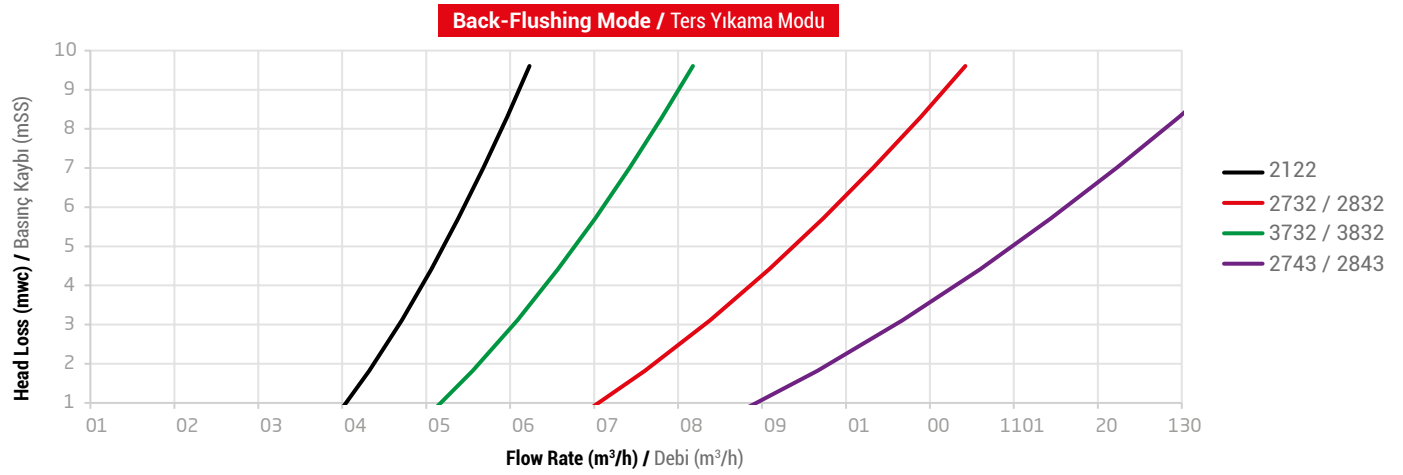
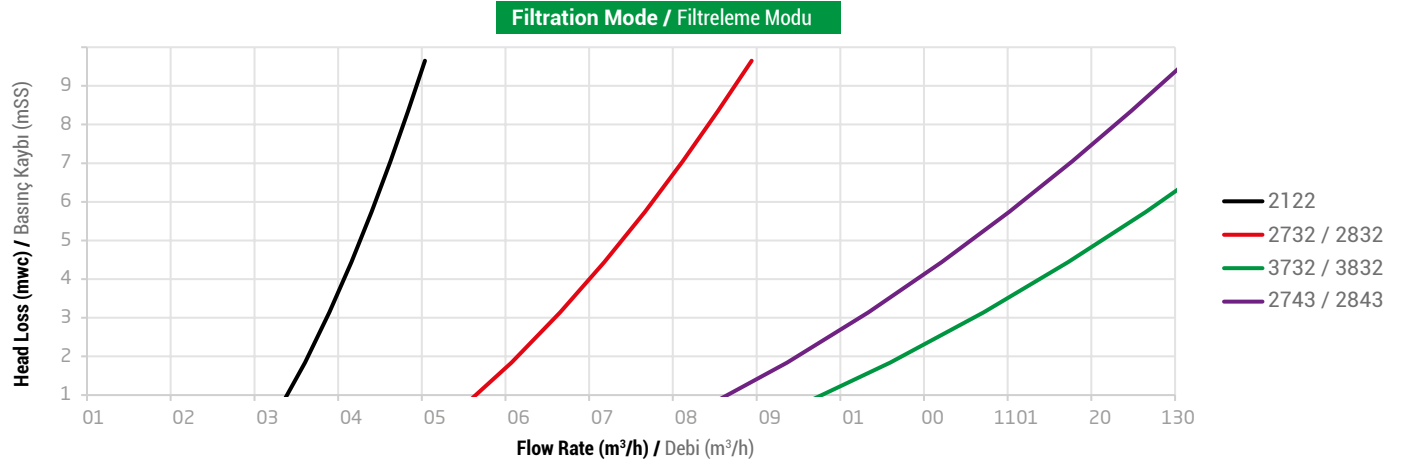


Model 27/28		
Part No Parça No	Part Name Parça Adı	Material Malzeme
1	Body / Gövde	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
2	Upper Bonnet / Üst Kapak	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
3	Diaphragm / Diyafram	Natural Rubber Nylon Reinforced / NR+Bez
4	Stem / Mil	AISI 304 / AISI 304
5	Spring / Yay	AISI 302 / AISI 302
6	Seat / Burç	Brass (Ms58) / Pirinç (Ms58)
7	Middle Bonnet / Orta Kapak	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)



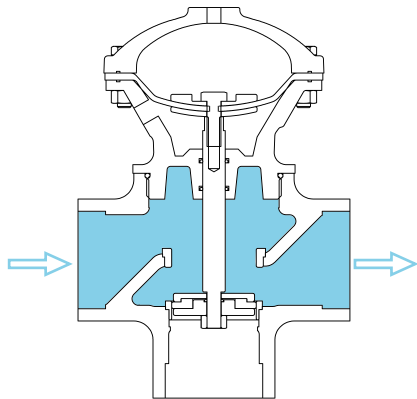
Model 37/38		
Part No Parça No	Part Name Parça Adı	Material Malzeme
1	Body / Gövde	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
2	Diaphragm / Diyafram	Natural Rubber Nylon Reinforced / NR+Bez
3	Upper Bonnet / Üst Kapak	GGG40 (Ductile Iron) / GGG40 (Sfero Döküm)
4	Stem / Mil	AISI 304 / AISI 304
5	Spring / Yay	AISI 302 / AISI 302
6	Wedge / Sürgü	AISI 304 + Natural Rubber AISI 304 + Doğal Kauçuk

FLOW CHARACTERISTICS / AKIŞ ÖZELLİKLERİ



Model Model	2122		2732-2832		2743-2843		3732-3832	
	Filtration Mode Filtreleme Modu	Back-Flushing Mode Ters Yıkama Modu	Filtration Mode Filtreleme Modu	Back-Flushing Mode Ters Yıkama Modu	Filtration Mode Filtreleme Modu	Back-Flushing Mode Ters Yıkama Modu	Filtration Mode Filtreleme Modu	Back-Flushing Mode Ters Yıkama Modu
Kv (m³/h @ 1 bar)	30	40	60	80	100	105	115	55
Cv (gpm @ 1 psi)	35	45	69	92	115	121	133	63
Recommended Flow (m³/h) Önerilen Akış (m³/h)	30	30	60	40	70	25	95	60
Max. Operation Pressure Max. Çalışma Basıncı	10 bar							

Filtration / Filtreleme



Back-Flushing / Ters Yıkama

