



PRPO SERİSİ HİDROLİK PİLOT UYARILI EMNİYET VALFLERİ (KELEBEK VİDA AYARLI) - EMNİYET VALF GÖVDELİ



Hızlı tepki ve düşük histerezis gerektiren zorlu hidrolik devrelerde basınç emniyet valfi olarak kullanılmak üzere tasarlanmış, pilot kumandalı (iki kademeli) bir emniyet valfidir.

Port 1'de ayarlanan basınç değerine ulaşılan kadar Port 1'den Port 2'ye akışı engeller. Sistem basıncı ayarlanan basınç değerine ulaştığında pilot tahliye mekanizması devreye girerek ana kademenin açılmasını sağlar ve akışın Port 1'den Port 2'ye yönlendirilmesine izin verir.

Valf üzerindeki kelebek başlı ayar vidası sayesinde istenilen basınç ayarı kolayca yapılabilmektedir.

Not: Bu valf çapraz tahliye uygulamalarında kullanılamaz.

Malzeme	Otomat Çeliği, Alüminyum Gövde
Vida Ölçüsü	BSP
Sızdırmazlık	Nitril O-ring (NBR)
Çalışma Sıcaklığı	-30 °C ile +110 °C
Isıl İşlem	İç parçalarda
Kaplama	Çinko Kaplama (Cr III Pasivasyon)
Kullanım Alanı	Genel hidrolik uygulamaları



PRPO SERIES HYDRAULIC PILOT OPERATED RELIEF VALVES (KNOB HEAD SCREW) - SAFETY VALVE BODY

Designed for demanding hydraulic circuits requiring fast response and low hysteresis, this is a pilot-operated two-stage pressure relief valve.

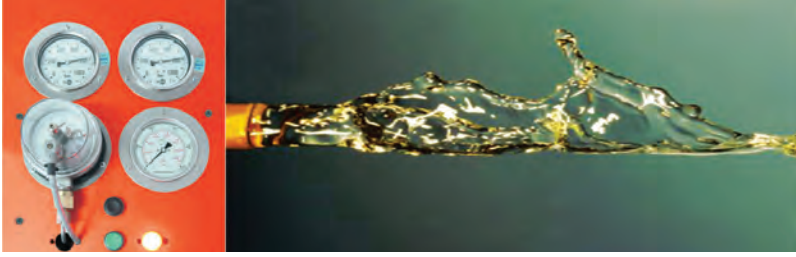
It blocks the flow from Port 1 to Port 2 until the preset pressure is reached at Port 1. When the system pressure reaches the adjusted pressure setting, the pilot relief mechanism is activated, allowing the main stage to open and enabling flow from Port 1 to Port 2.

The desired pressure setting can be easily adjusted via the knob head screw located on the valve.

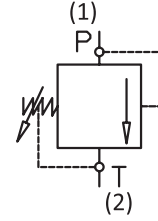
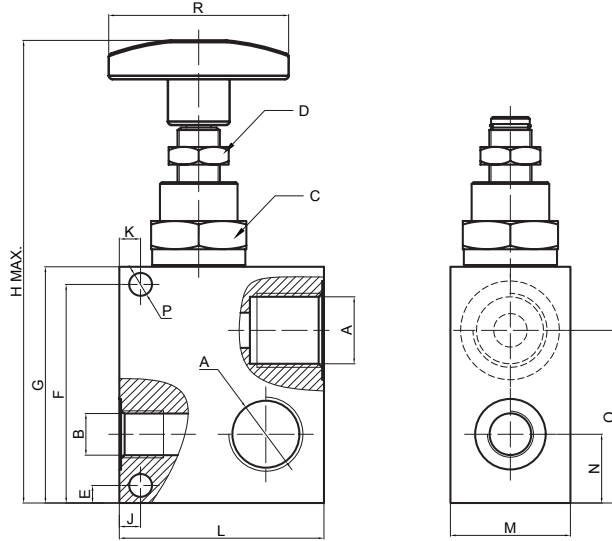
Note: This valve is not suitable for cross-line relief applications.

Material	Carbon Steel, Aluminium Body
Thread Size	BSP
Sealing	Nitrile O-ring (NBR)
Working Temperature	-30 °C and +110 °C
Heat Treatment	Internal parts
Plating	Zinc Plating (Cr III Passivation)
Applications	General Hydraulic Applications





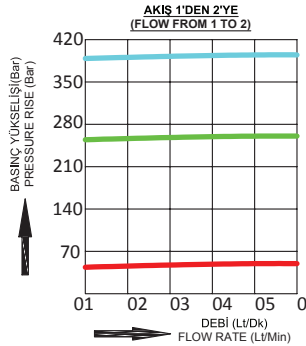
PRPO SERİSİ HİDROLİK PİLOT UYARILI EMNİYET VALFLERİ (KELEBEK ANAHTAR AYARLI) - EMNİYET VALF GÖVDELİ PRPO SERIES HYDRAULIC PILOT OPERATED RELIEF VALVES (KNOB HEAD SCREW) - SAFETY VALVE BODY



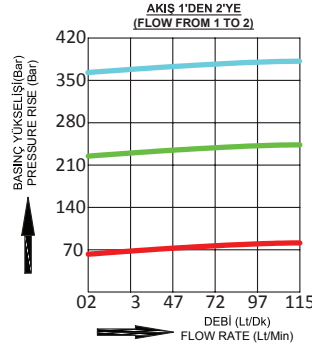
Teknik Özellikler Technical Specifications

Kod (Code)	Vida Ölçüsü (Thread Size) A	Vida Ölçüsü (Thread Size) B	Kavite (Cavity)	Çalışma Basıncı (Working Pressure) Bar	Max. Yağ Akışı L/dk (Max. Flow Rate- L/Min)	Her Turda Basıncı Aralığı (Pressure Range per Round)	Ölçüler (Dimensions) mm														
							C	D	E	F	G	H	J	K	L	M	N	O	P	R	
PRPOKNG14N	1/4" BSP	1/4" BSP	8:2	15-400	50	210	AA24	AA17	31	31	60	108.50	5.25	42.75	48	28	13.50	41	Ø6.50	50	
PRPOKNG38N	3/8" BSP	1/4" BSP	8:2	15-400	50	210	AA24	AA17	31	31	60	108.50	5.25	42.75	48	28	15	45	Ø6.50	50	
PRPOKNG12N	1/2" BSP	1/4" BSP	10:2	10-400	115	180	AA27	AA17	5	62	67	109.50	6	6	58	34	19.50	49	Ø6.50	50	
PRPOKNG34N	3/4" BSP	1/4" BSP	12:2	20-400	170	105	AA32	AA17	5.25	72.75	78	124	43	39	63	38	21	56.50	Ø6.50	50	
PRPOKNG1N	1" BSP	1/4" BSP	12:2	20-400	170	105	AA32	AA17	8	81	89	153	51	48	79	49	25	65.50	Ø6.50	50	

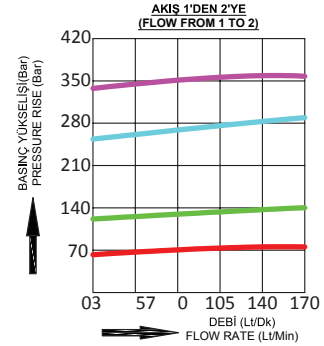
1/4" 3/8" BSP



1/2" BSP

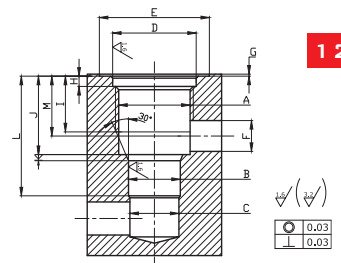


3/4" - 1"



EMNİYET KARTRIÇİN ÇALIŞACAĞI ALAN WORKING AREA OF THE CARTRIDGE

Kavite (Cavity)	Vida Ölçüsü (Thread Size) A	Ölçüler (Dimensions) mm										
		B	C	D	E	F	G	H	I	J	K	L
8:2	3/4" 16UNF	12.70	12	20.50	27	7.50	0.50	2.50	13.50	19	1.50	29
10:2	7/8" 14UNF	15.90	15	23.50	28	10	0.50	3	18	23.30	2	37.50
12:2	1-1/16" 12UN	22.20	20	29	33	13	0.50	3.50	19.50	33	1.50	49.50
16:2	1-5/16" 12UN	28.60	27	35.30	39	15	0.50	3.5	18	30.25	2	46.50



1 2

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