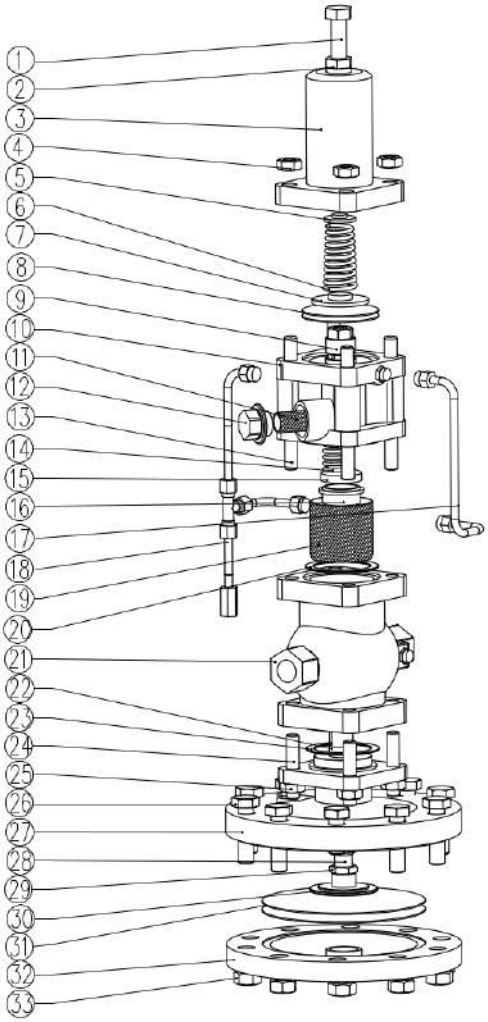
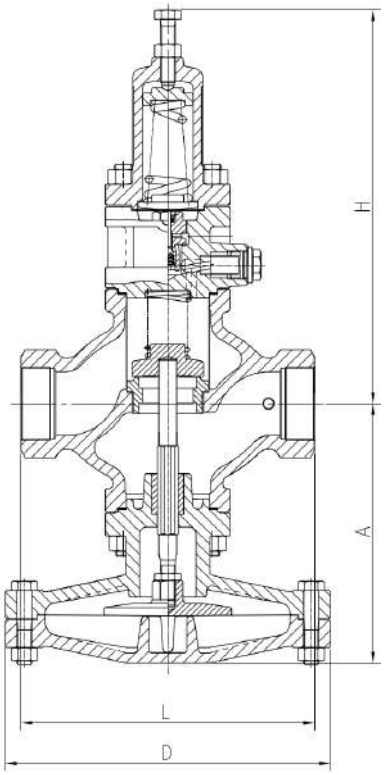
Art2274
Carbon Steel Pilot Operated Pressure Reducing Valve

Features
1. *Pilot operated Pressure reducing valve for steam or compressed air applications.*
2. *Threaded ends according to ISO 7-1 (EN 10226-1).*
3. *Body in Carbon Steel 1.0619 (WCB).*
4. *Maximum allowable pressure 25 bar.*
5. *Maximum upstream pressure for saturated steam service 17 bar.*
6. *Downstream Pressure range of 0.5 to 12 bar (one spring only).*
7. *Maximum differential pressure 17 bar*
8. *Working temperature: 0ºC / 260ºC.*





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Nº	Name	Material	External Finish	Spare Parts
1	Tornillo Regulación / Regulating Bolt	Acero al Carbono / *Carbon Steel*	Pavonado / *Blued*	
2	Tuerca / *Nut*	Acero al Carbono / *Carbon Steel*	Pavonado / *Blued*	
3	Tapa superior / U*pper cover*	Acero Fundido / *Cast Steel* 1.0619 (WCB)	Pintado / *Painted*	
4	Tuerca / *Nut*	Acero al Carbono / *Carbon Steel*	Pintado / *Painted*	
5	Guía Muelle / *Spring Guide*	Acero Inox / *Stainless Steel* 2Cr13		
6	Regulating Spring / *Muelle Regulación*	Acero / *Steel* 50CrVA		M2274
7	Pletina Muelle / Spring Pad	ZCuAl10Fe3		
8	Diafragma / *Diaphragm*	Acero Inox / *SS* 12Cr17Ni7	HRC 52-56	DR2274
9	Válvula Piloto / *Pilot Valve*	Acero Inox / *Stainless Steel* 2Cr13		VP2274
10	Cámara Válvula Piloto / *Pilot Valve Cover*	Acero Fundido / *Cast Steel* 1.0619 (WCB)		
11	Filtro Válvula Piloto / *Pilot Valve Strainer*	Acero Inox / *Stainless Steel* 1Cr18Ni9Ti		FR2274
12	Tapón / *Plug*	Acero Inox / *Stainless Steel* 2Cr13		
13	Espárrago / *Stud*	Acero al Carbono / *Carbon Steel*	Pintado / *Painted*	
14	Muelle Principal / *Main Valve Spring*	Acero / *Steel* 50CrVA		K2274
15	Disco / *Disc*	Acero Inox / *Stainless Steel* 2Cr13		K2274
16	Asiento / *Seat*	Acero Inox / *Stainless Steel* 2Cr13		K2274
17	Tuberias Control / *Control Pipes*	Acero Inox / *Stainless Steel* AISI 304		
18	Tuberías Equilibrio / *Balancing Pipes*	Acero Inox / *Stainless Steel* AISI 304		
19	Filtro Principal / Main *Strainer*	Acero Inox / *SS* 1Cr18Ni9Ti		FP2274
20	Junta Cuerpo / *Gasket*	Inoxidable + Grafito / *SS+ Graphite*		JC2274 K2274 FP2274
21	Cuerpo / *Body*	Acero Fundido / *Cast Steel* 1.0619 (WCB)	Pintado / *Painted*	
22	Casquillo / *Bushing*	Acero Inox / *SS* 2Cr13		
23	Junta Cuerpo / *Gasket*	Inoxidable + Grafito / *SS + Graphite*		JC2274
24	Espárrago / *Stud*	Acero al Carbono / *Carbon Steel*	Pintado / *Painted*	
25	Tuerca / *Nut*	Acero al Carbono / *Carbon Steel*	Pintado / *Painted*	
26	Tornillo / *Bolt*	Acero al Carbono / *Carbon Steel*	Pintado / Painted	
27	Tapa superior diafragma / *Diaphragm upper cover*	Acero Fundido / *Cast Steel* 1.0619 (WCB)	Pintado / *Painted*	
28	Eje / *Stem*	Acero Inox / *SS* 2Cr13		
29	Tuerca / *Nut*	Acero al Carbono / *Carbon Steel*	Pintado / Painted	
30	Plato diafragma / *Diaph Tray*	Acero Inox / SS 2Cr13		
31	Diafragma princ. / *Main diaphragm*	Acero Inox / *SS* 12Cr17Ni7	HRC 52-56	DP2274
32	Tapa inferior diafragma / *Diaphragm under cover*	Acero Fundido / *Cast Steel* 1.0619 (WCB)	Pintado / Painted	
33	Tuerca *Nut*	Acero al Carbono / *Carbon Steel*	Pintado / Painted	

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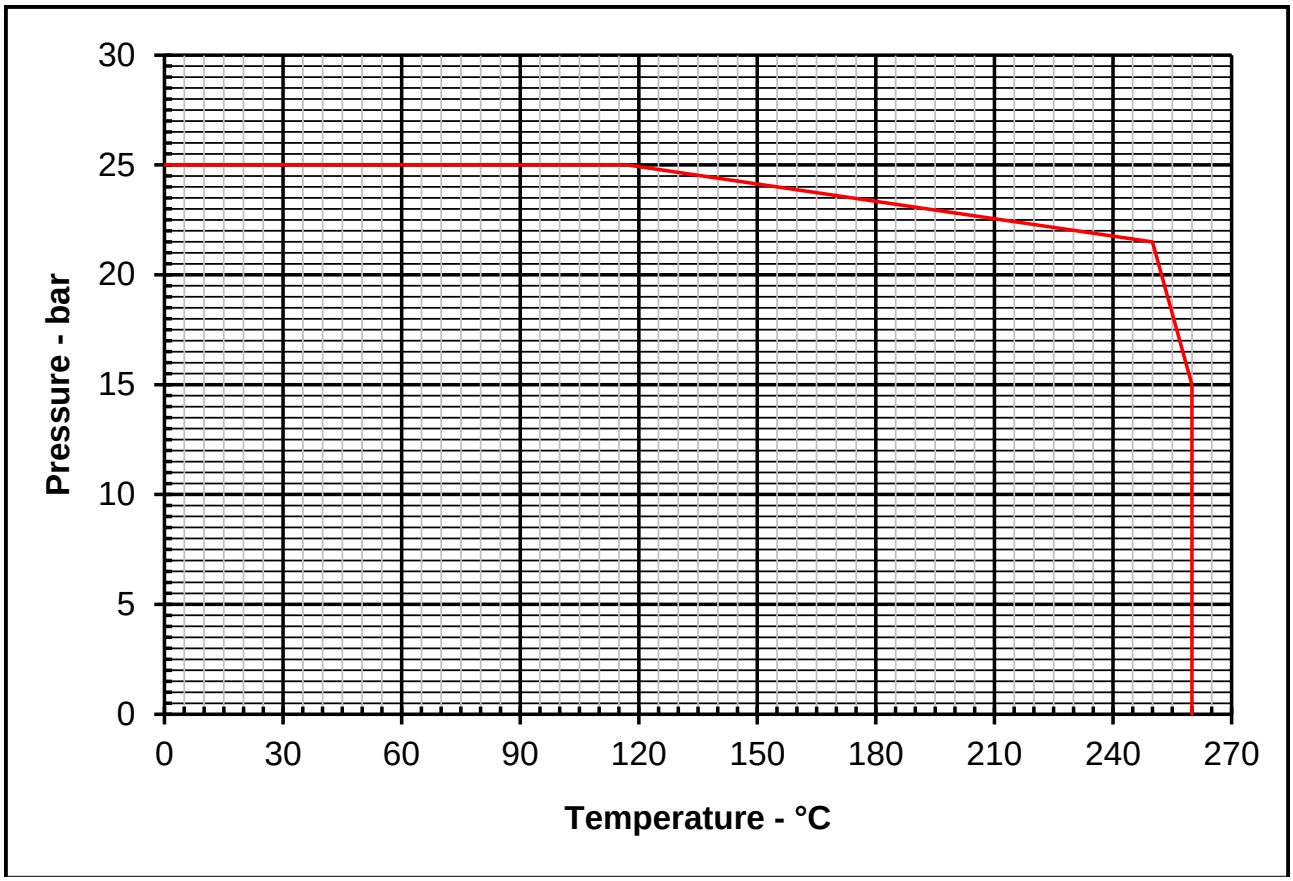
General Dimensions

Ref	Size	PN	Dimensions (mm)					Weight (Kg)
			H	A	L	D	Kv (m^3/h)*	
2274 04	1/2"	25	302	150	147	185	2,8	14,300
2274 05	3/4"	25	302	155	150	185	5,5	14,600
2274 06	1”	25	308	165	160	210	8,1	17,100
2274 07	11/4”	25	308	175	180	210	12	18,400
2274 08	11/2”	25	316	196	200	235	17	27,100
2274 09	2”	25	324	205	230	235	28	30,600

Water @ 20ºC (ΔP = 1 bar)

Pressure/Temperature Rating



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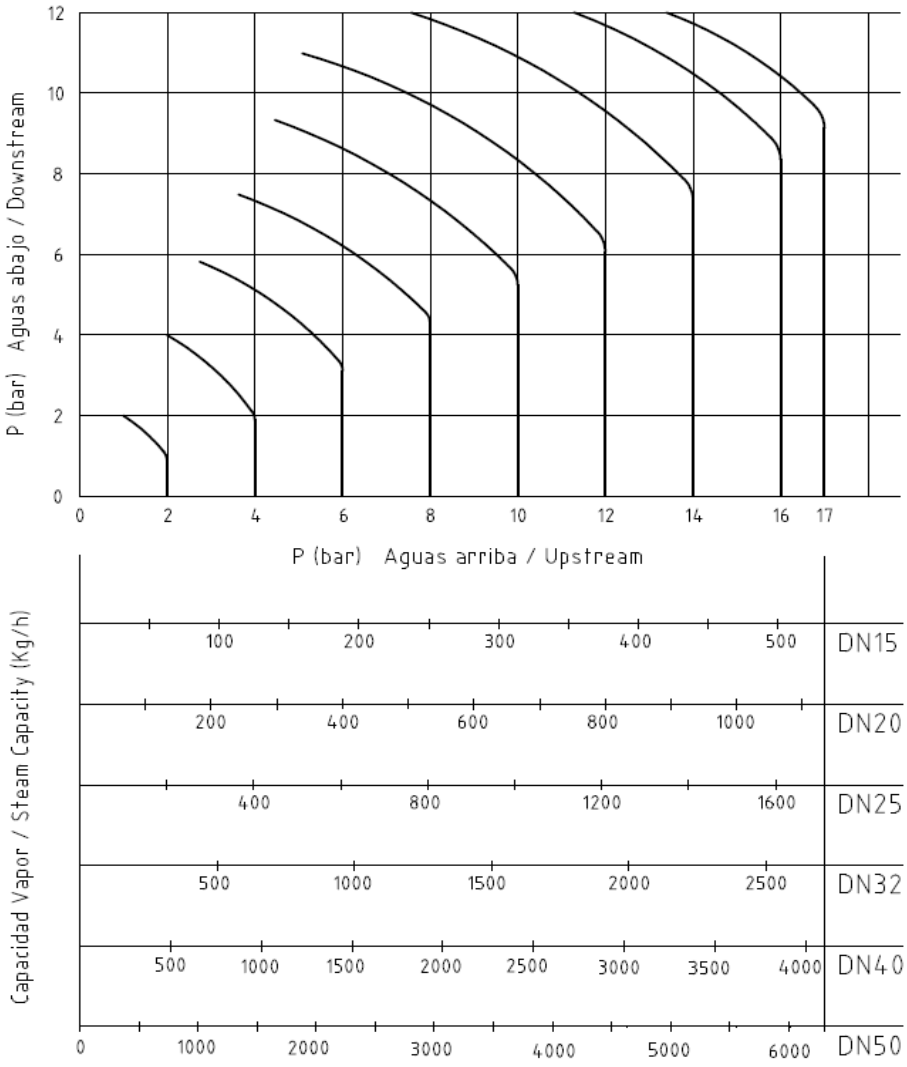
Capacity Charts

Steam



Example: DN40 Valve reducing 10 bar (upstream) to 7 bar (downstream) is able to flow approx. 2000kg/h of steam.

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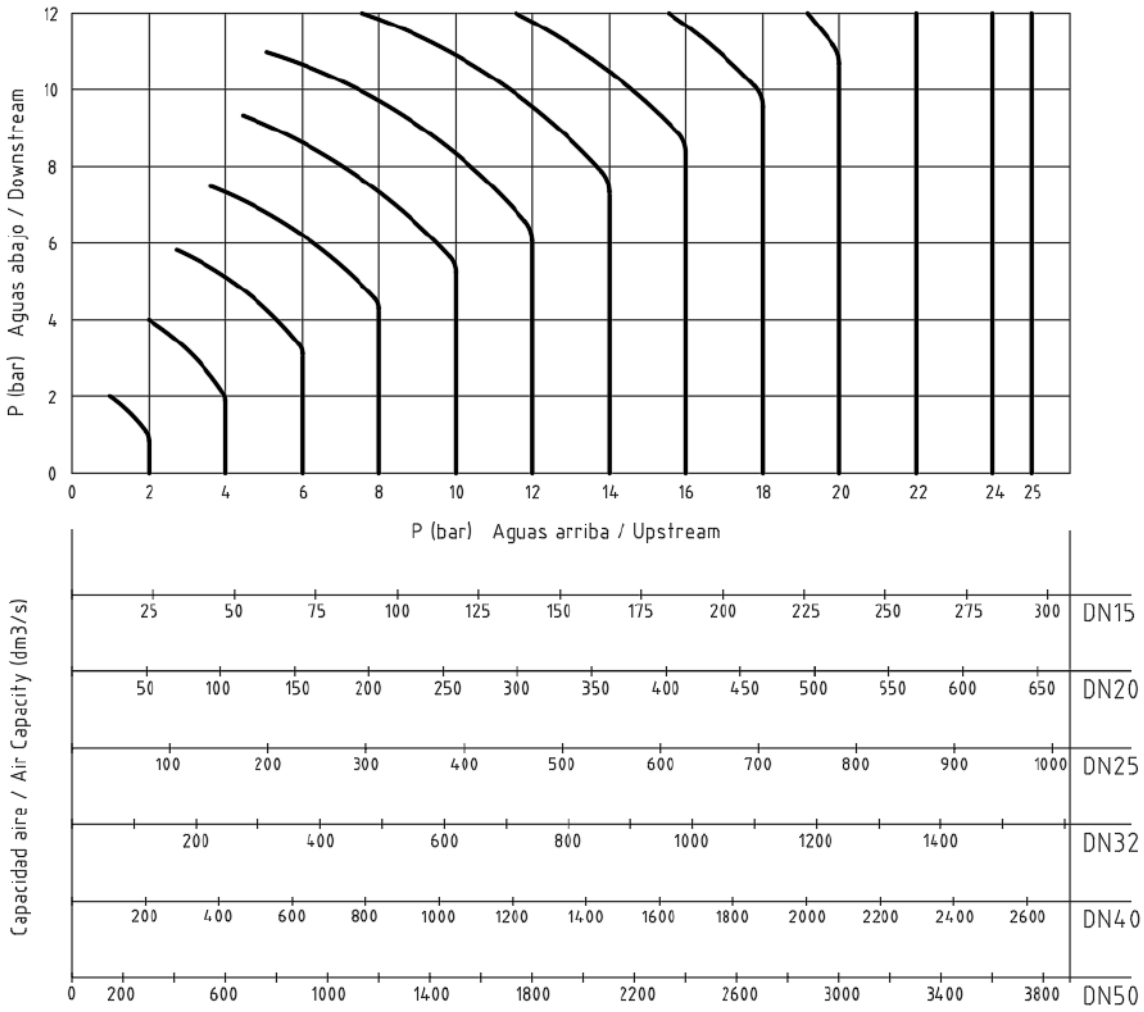
Compressed Air



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