

VALVOLE BASE

Le valvole **TECNIDRO®** Serie **IM-F** sono di tipo idraulico automatico a membrana, adatte all'impiego in Sistemi di Protezione Antincendio.

Le valvole base sono disponibili in un'ampia gamma di diametri e modelli e possono essere dotate di diverse opzioni di controllo per soddisfare i requisiti tecnici di impianti antincendio standard o speciali.

BASIC VALVES

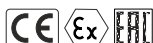
The **TECNIDRO® IM-F Series** are automatic hydraulically operated diaphragm valves, suitable for use in Fire Protection Systems.

The basic valves are available in a wide range of sizes and models and can be equipped with several control options to meet the technical requirements of standard or special fire systems.

CARATTERISTICHE TECNICHE

Materiali Std.:

Corpo e coperchio: Ghisa sferoidale EN GJS 400 / ASTM A536
Acciaio inox AISI316L / ASTM F899
Verniciatura: High Built Fusion Bonded Epoxy, Rosso RAL3000
Membrana: Gomma NR rinforzata Nylon
Molla: Acciaio Inox AISI302
Supporto: PP
Bulloni: Inox Class A2
Trims: Acciaio inox, rame/ottone



Prestazioni Std.:

Fluidi: acqua, schiumogeno
Pressioni: progetto 18,0 [bar] (261 psi)
esercizio min. 1,5 [bar] (21,0 psi)
Temperature: fluido +0,5/+50 [°C] (+32/+122 °F)
ambiente -20/+90 [°C] (-4/+194 °F)
Installazione: orizzontale o verticale

TECHNICAL FEATURES

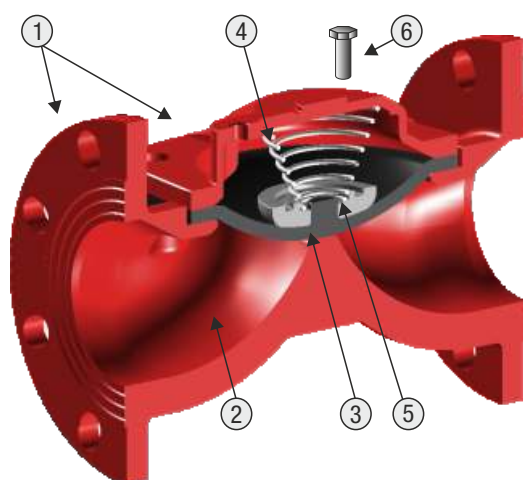
Std. Materials:

Body and bonnet: Ductile Iron EN GJS 400 / ASTM A536
Stainless Steel AISI316L / ASTM F899
Coating: High Built Fusion Bonded Epoxy, Red RAL3000
Diaphragm: Nylon Reinforced NR Rubber
Spring: AISI302 Stainless Steel
Support: PP
Bolts: class A2 Stainless Steel
Trims: stainless steel, copper/brass

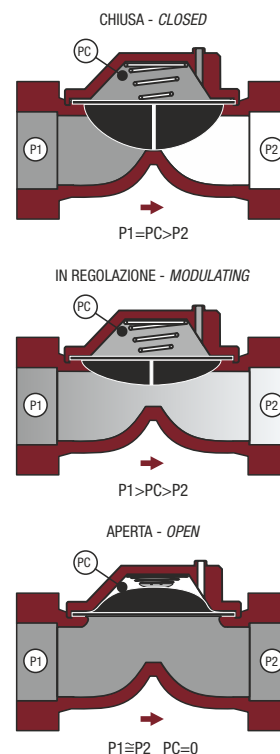


Std. Performances:

Fluids: water, foam
Pressures: design 18,0 [bar] (261 psi)
working min. 1,5 [bar] (21,0 psi)
Temperatures: fluid +0,5/+50 [°C] (+32/+122 °F)
ambient -20/+90 [°C] (-4/+194 °F)
Installation: horizontal or vertical



Pos.	DESCRIZIONE DESCRIPTION
1	Corpo e Coperchio Body and Cover
2	Verniciatura Coating
3	Membrana Diaphragm
4	Molla Spring
5	Supporto Molla Spring Support
6	Bulloni Bolts



DIMENSION, PESI e PORTATE

La tabella sottostante mostra le dimensioni, i pesi e le portate consigliate dei modelli di valvola standard.

Altri modelli o connessioni sono disponibili su richiesta.

● std. ● su richiesta

 DN / SIZE		Filettato Threaded BSP F NPT F	Dimensioni e Pesì Dimensions & Weights				Portate Flow Rates (*)	
			L (mm)	H (mm)	B (mm)	P (Kg)	ON-OFF (m³/h)	REG. (m³/h)
DN 25	1"	●	116	50	70	0.9	12	25
DN 32	1 1/4"	●	175	100	120	4.0	30	60
DN 40	1 1/2"	●	175	100	120	3.0	33	65
DN 50	2"	● (E)	175	100	120	3.4	40	80
DN 65	2 1/2"	●	200	115	120	4.0	48	95
DN 80	3"	● (E)	-	-	-	-	-	-
DN100	4"	●	-	-	-	-	-	-

Note: (E) dritta o ad angolo / straight or elbow pattern

 DN / SIZE		Flangiato Flanged ISO PN10/16 ANSI150#RF-FF	Dimensioni e Pesì Dimensions & Weights				Portate Flow Rates (*)	
			L (mm)	H (mm)	B (mm)	P (Kg)	ON-OFF (m³/h)	REG. (m³/h)
DN 50	2"	●	175	165	165	6.5	40	80
DN 65	2 1/2"	●	175	165	165	8.0	48	95
DN 80	3"	●	280	200	210	16.2	85	170
DN100	4"	●	300	220	220	19.5	95	195
DN125	5"	●	325	250	250	22.5	110	210
DN150	6"	●	350	320	320	41.5	190	375
DN200	8"	●	400	340	340	60.0	210	425
DN250	10"	●	450	470	405	86.0	290	580
DN300	12"	●	500	500	460	135.0	360	720
DN350	14"	●	550	520	520	155.0	750	1.600
DN400	16"	●	600	580	580	170.0	900	1.800

 DN / SIZE		Scanalato Grooved	Dimensioni e Pesì Dimensions & Weights				Portate Flow Rates (*)	
			L (mm)	H (mm)	B (mm)	P (Kg)	ON-OFF (m³/h)	REG. (m³/h)
DN 40	1 1/2"	●	175	100	120	3.0	33	65
DN 50	2"	●	175	100	120	3.4	40	80
DN 65	2 1/2"	●	195	115	120	4.0	48	95
DN 80	3"	●	285	170	210	15.0	85	170
DN100	4"	●	300	170	210	17.0	95	195
DN125	5"	●	-	-	-	-	-	-
DN150	6"	●	360	320	320	38.0	190	375
DN200	8"	●	-	-	-	-	-	-

(*): le portate consigliate corrispondono alle seguenti perdite di carico indicative:
the recommended flow rates correspond to the following indicative head loss:

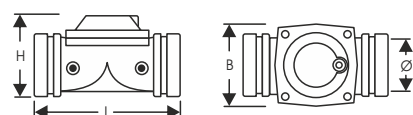
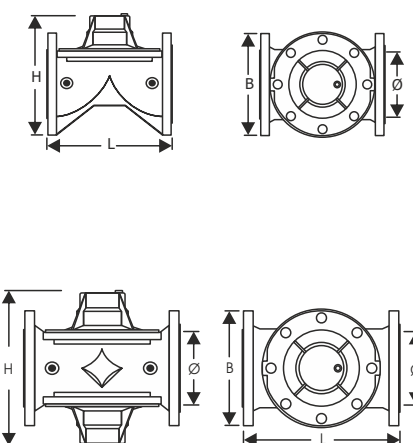
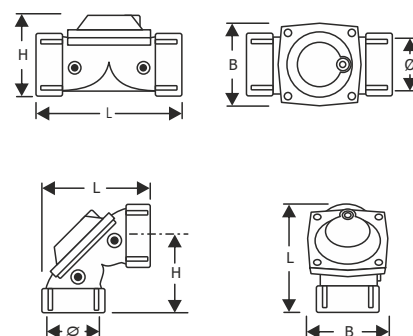
Q On-Off ~ 0,25 [bar]
Q Reg ~ 0,80 [bar]

SIZES, WEIGHTS and FLOW RATES

The table below details dimensions, weights and recommended flow rates of standard valve models.

Other models or connections are available upon request.

● std. ● on request

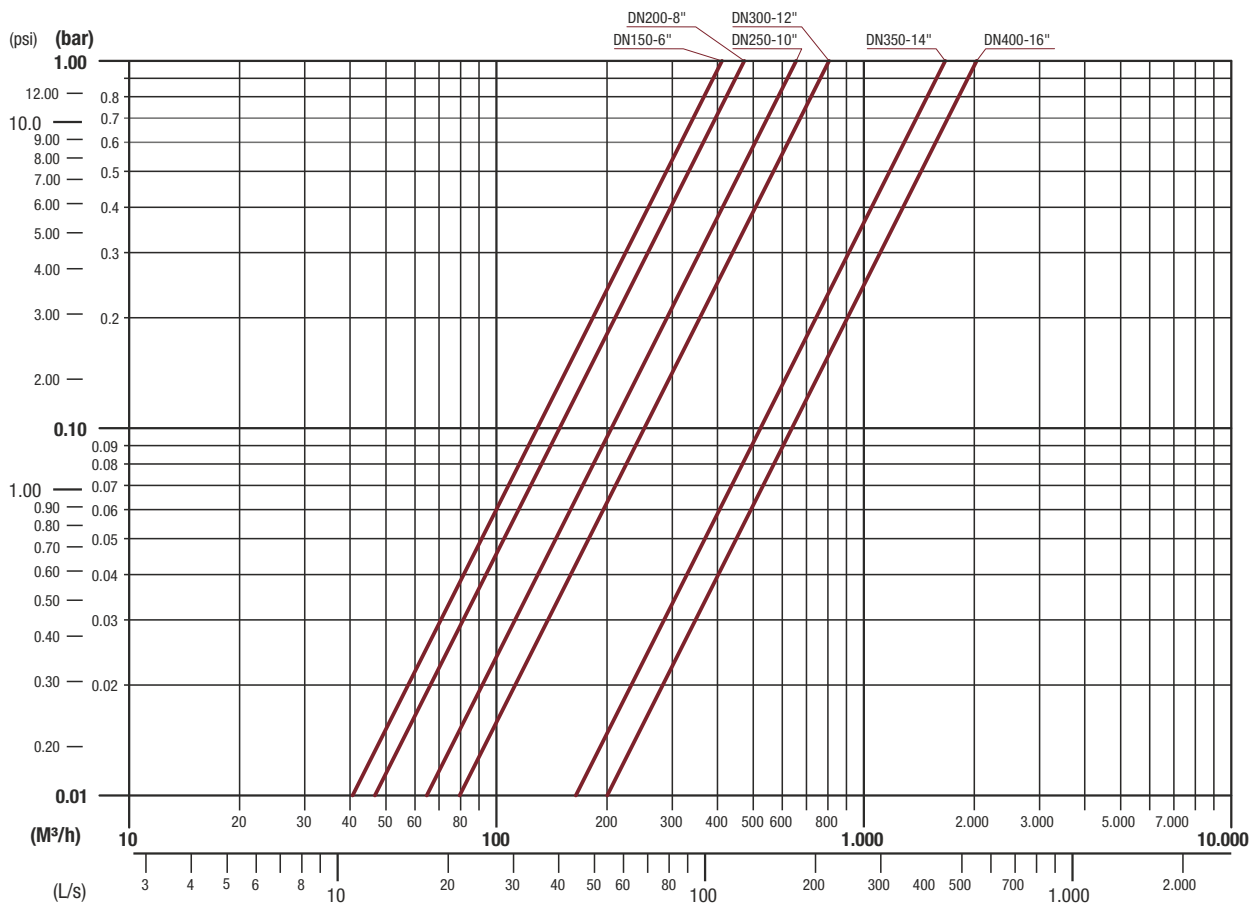
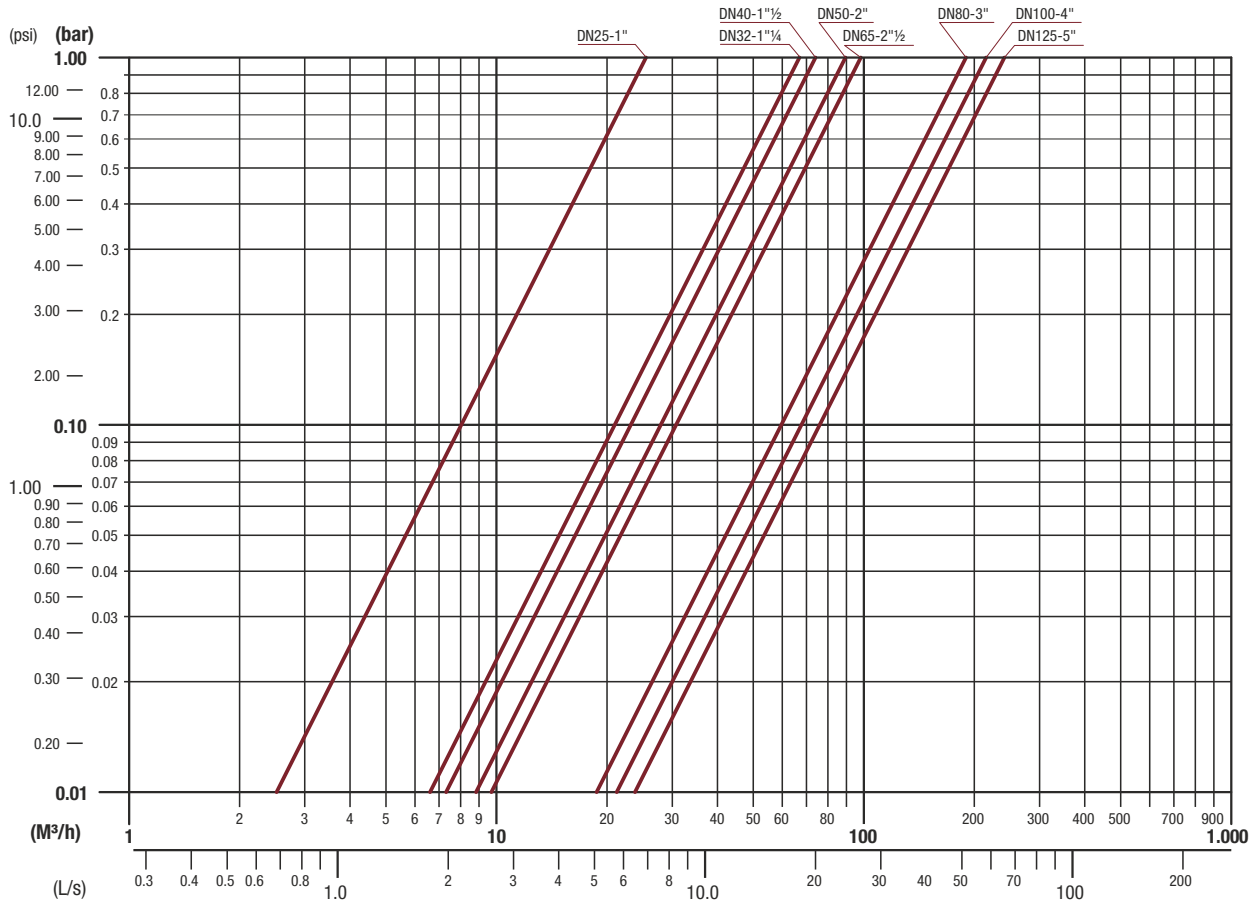


PERDITE DI CARICO

(con valvola tutta aperta in acqua pulita a 20°C)

HEAD LOSS

(with valve fully open in clean water at 20°C)



NOTA: Tutti i dati tecnici sono solo indicativi e possono essere modificati senza preavviso.

All technical datas are indicative only and could be modified without prior notice.