



110-757



110-050

100 SERIES PVC VALVES

- Stainless steel filter with agitator, for control water contamination resistance
- Reverse flow design for pressure balanced diaphragm
- Internal manual bleed with captive plunger on solenoid
- Co-molded diaphragm with integral stainless steel spring
- Offered in 18 different inlet/outlet, ¾", 1", barb, socket, and spigot combinations for every application, including NPT and BSP threads
- Operating pressure range from 15 PSI minimum / 125 PSI maximum
- Virgin PVC material construction (NSF approved material)
- Available with or without flow control feature
- Utilizes non-rising flow control stem
- Suitable for residential and light commercial applications
- Standard 24 VAC 60 Hz solenoid black wire Hex plunger design for sandy water conditions
- Special 24 VAC 50 Hz solenoid for European and Australian power white wire

SPANISH

- Filtro de acero inoxidable con agitador que ofrece una mayor resistencia a la suciedad de las aguas
- Diseño de flujo inverso para equilibrar la presión del diafragma
- Apertura manual con desagüe interno y pistón de acero inoxidable cautivo dentro del solenoide
- Muelle de acero inoxidable montado sobre diafragma
- Hasta un total de 18 modelos distintos gracias a las diferentes combinaciones ¾", 1", estriados, lisos para cada uso según su aplicación e incluyendo los tipos de roscas NPT y BSP
- Presión de funcionamiento entre 0,7 y 10 bares
- Fabricadas 100% en PVC (material aprobado por la NSF)
- Disponible con o sin regulador de caudal
- Incorpora el sistema de retención de caudal de retorno
- Adecuado para aplicaciones residenciales y pequeñas zonas públicas
- Solenoide 24 VAC 60 Hz (cable negro). Diseño de pistón hexagonal para su uso en aguas sucias
- Solenoide 24 VAC 50 Hz para Europa y Australia (cable blanco)

RAIN **PRO**
Intelligent Irrigation Solutions™

HIT
PRODUCTS
CORPORATION



110-757



110-050

100 SERIES PVC VALVES

FRENCH

- Filtre en acier inoxydable avec racleur qui permet l'utilisation d'eaux chargées
- Son design de flux inverse permet d'équilibrer la pression du diaphragme
- Ouverture manuelle avec vidange interne et plongeur en acier inoxydable captif dans le solénoïde
- Ressort en acier inoxydable monté sur le diaphragme
- Jusqu'à 18 modèles différents grâce aux possibles combinaisons ¾", 1", entailles, lisses... pour chaque usage selon les applications et en incluant les modèles taraudés en NPT et BSP
- Pression de fonctionnement: entre 0,7 et 10 bars
- Fabriquées en PVC (matériel agréé par la NSF)
- Disponible avec ou sans réglage de débit
- Avec un système de rétention de débit de retour
- Conçues pour des installations résidentielles et petites zones publiques
- Solénoïde 24 VAC 60 Hz (fil noir). Design hexagonal du plongeur pour utilisation d'eaux chargées
- Solénoïde 24 VAC 50 Hz pour Europe et Australie (cable blanc)

ITALIAN

- Filtro in acciaio inossidabile con agitatore per una maggiore resistenza allo sporco
- Disegno di flusso inverso per equilibrare la pressione sulla membrana
- Apertura manuale con gocciolamento interno e solenoide captivo
- Membrana con molla in acciaio inossidabile integrata
- 18 diverse combinazioni disponibili grazie alle diverse combinazioni: ¾", 1", filetto BSP o NPT oppure ad incollaggio diretto. Una valvola per ogni esigenza
- Pressione di lavoro compresa fra 0,7 e 10 bar
- Realizzate in PVC vergine (approvato NSF)
- Disponibili con o senza controllo di flusso
- Incorpora un sistema che previene il riflusso
- Ideale per applicazioni residenziali e piccole aree pubbliche
- Solenoide standard 24 VAC 60 Hz (con fili neri) con pistoncino per acque sporche
- Solenoide specifico 24 VAC 50 Hz (con fili bianchi) per l'Europa e l'Australia

HIT PRODUCTS CORPORATION

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12/06

SPECIFICATIONS

100 SERIES PVC VALVES

Model #	Size In Out	Description	Overall Length	Overall Width	Overall Height
110-000	1"x 1"	Female Thread Inlet and Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-505	1"x 1"	Slip Socket Inlet and Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-101	1"x 1"	Male Thread Inlet and Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-707	3/4"x 3/4"	Male Thread Inlet and Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-606	3/4"x 3/4"	Female Inlet and Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-003	1"x 1"	Female Thread Inlet and Barb Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-103	1"x 1"	Male Thread Inlet and Barb Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-703	3/4"x 1"	Male Thread Inlet and Barb Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-503	1"x 1"	Slip Socket Inlet and Barb Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-205	1"x 1"	Spigot Slip Inlet and Slip Socket Outlet without Flow Control	5"	2 3/4"	4 3/4"
110-050	1"x 1"	Female Thread Inlet and Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-555	1"x 1"	Slip Socket Inlet and Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-151	1"x 1"	Male Thread Inlet and Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-757	3/4"x 3/4"	Male Thread Inlet and Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-656	3/4"x 3/4"	Female Thread Inlet and Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-053	1"x 1"	Female Thread Inlet and Barb Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-153	1"x 1"	Male Thread Inlet and Barb Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-753	3/4"x 1"	Male Thread Inlet and Barb Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-553	1"x 1"	Slip Socket Inlet and Barb Outlet with Flow Control	5"	2 3/4"	4 3/4"
110-255	1"x 1"	Spigot Slip Inlet and Slip Socket Outlet with Flow Control	5"	2 3/4"	4 3/4"
		Metric	127mm	70mm	120mm

Operating Specifications

- 1" Flow: 1 - 25 GPM
- Operating pressure: 1 to 125 PSI
- Recommended velocity not to exceed 5 fps of corresponding pipe size

Electrical:

- 24 VAC
- Inrush: 350 mA
- Holding: 250 mA
- Cycles: (white wires) 50 Hz or (black wires) 60 Hz

Features

- NPT or BSP threads
- PVC construction
- Stainless steel components
- Internal manual bleed
- One piece co-molded diaphragm
- Reverse flow design

Pressure Loss

	Flow GPM	15	20	25
Valve Size	1"	2.5	4.0	6.0

Pressure Loss (Metric) kPa

	Flow l/min	56.8	75.7	94.6
Valve Size	1"	17.2	27.5	172

Pressure Loss (Metric) Bars

	Flow m ³ /hr	3.41	4.54	5.68
Valve Size	1"	0.19	0.29	0.41

Specifications may change due to engineering changes

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SPECIFICATIONS

100 SERIES PVC VALVES

SPANISH

Especificaciones Operativas

- 1" Flujo: 1 - 95 m³/hr; 1 - 6 l/min
- Presión operativa: 0.06 - 8.6 bars; 6.8 - 862 kPa
- **Especificaciones Eléctricas:**
 - 24 CA
 - Corriente de entrada: 350 mA
 - Consumo: 250 mA
 - Ciclos: (cables blancos) 50 Hz o (cables negros) 60 Hz

Características

- Roscas NPT o BSP
- Fabricado en PVC
- Componentes de acero inoxidable
- Purgador manual interno
- Diafragma moldeado de una sola pieza
- Diseño de flujo reverso
- La velocidad recomendada no deberá exceder 5 fps del correspondiente tamaño de tubería

FRENCH

Caractéristiques Techniques de Fonctionnement

- 1" Flux: 1 - 95 m³/hr; 1 - 6 l/min
- Pression de fonctionnement: 0.06 - 8.6 bars; 6.8 - 862 kPa
- **Électriques:**
 - 24 V.A.C.
 - Courant d'appel: 350 mA
 - Courant de maintien 250: mA
 - Cycles: (fils blancs) 50 Hz ou (fils noirs) 60 Hz

Caractéristiques

- Filetages NPT ou BSP
- Fabriqué en PVC
- Composants en acier inoxydable
- Vidange manuel interne
- Membrane moulée en une seule pièce
- Conception à passage d'eau inversé
- La vitesse recommandée ne doit pas dépasser 5 pi/s dans la dimension du tube correspondant

ITALIAN

Dati Tecnici Relativi al Funzionamento

- 1" Flusso: 1 - 95 m³/hr; 1 - 6 l/min
- Pressione di esercizio: 0.06 - 8.6 bars; 6.8 - 862 kPa
- **Elettrico:**
 - 24 AC
 - Punta: 350 mA
 - Mantenimento: 250 mA
 - Cicli: (fili bianchi) 50 Hz o (fili neri) 60 Hz

Caratteristiche

- Filettatura NPT o BSP
- Fabbricazione in polivinile
- Componenti in acciaio inossidabile
- Scarico manuale interno
- Diaframma stampato monoblocco
- Progettazione a flusso invertibile
- La portata consigliata non deve superare 1,524 m/s per il tubo di dimensione corrispondente

Specifications may change due to engineering changes

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