

# Valves



DIAPHRAGM LINE VALVES - HELDON			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>MALE FLARE</b>			
UBE00000	1/4"	UBE00015	5/8"
UBE00005	3/8"	UBE00020	3/4"
UBE00010	1/2"		
<b>SOLDER</b>			
UBE00025	1/4"	UBE00040	5/8"
UBE00030	3/8"	UBE00045	7/8"
UBE00035	1/2"		



DIAPHRAGM LINE VALVES - ASHIDA			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>MALE FLARE</b>			
UBC00050	1/4"	UBC00065	5/8"
UBC00055	3/8"	UBC00070	3/4"
UBC00060	1/2"		
<b>SOLDER</b>			
UBC00075	1/4"	UBC00090	5/8"
UBC00080	3/8"		
UBC00085	1/2"		



CAPPED 2-WAY LINE OFFSET VALVES - HELDON			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>MALE FLARE</b>			
UBE00050	1/4"	UBE00060	1/2"
UBE00055	3/8"	UBE00065	5/8"
<b>SOLDER - ODS</b>			
UBE00070	1/4"	UBE00100	1-1/8"
UBE00075	3/8"	UBE00105	1-3/8"
UBE00080	1/2"	UBE00110	2-5/8"
UBE00085	5/8"		
UBE00090	3/4"		
UBE00095	7/8"		



CAPPED ANGLE VALVES - HELDON			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>MALE FLARE SIDE TO MALE BSP BOTTOM</b>			
UBE00115	1/4" MF X 1/4" MBSP	UBE00145	1/2" MF X 3/8" MBSP
UBE00120	1/4" MF X 3/8" MBSP	UBE00150	1/2" MF X 1/2" MBSP
UBE00130	3/8" MF X 1/4" MBSP	UBE00155	5/8" MF X 1/2" MBSP
UBE00135	3/8" MF X 3/8" MBSP	UBE00160	5/8" MF X 3/4" MBSP
UBE00140	3/8" MF X 1/2" MBSP		

# Valves – cont'd

SECTION 2

PACKED CAPPED VALVES - HELDON			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>SOLDER - ODS - 2 WAY - STRAIGHT</b>			
UBC00120	1-3/8"	UBC00125	1-5/8"
<b>SOLDER - ODS - 2 WAY - ANGLE</b>			
UBC00140	7/8"	UBC00130	1-3/8"
UBC00145	1-1/8"	UBC00135	1-5/8"



CHECK VALVES - DANFOSS			
CATALOGUE NUMBER	CONNECTION SIZE	CATALOGUE NUMBER	CONNECTION SIZE
<b>MALE FLARE - DANFOSS</b>			
UAF00285	1/4"	UAF00295	1/2"
UAF00290	3/8"	UAF00300	5/8"
<b>SOLDER - STRAIGHT THROUGH - DANFOSS</b>			
UAF00305	1/4"	UAF00320	5/8"
UAF00310	3/8"	UAF00325	3/4"
UAF00315	1/2"		
<b>SOLDER - ANGLE - DANFOSS</b>			
UAF00330	7/8"	UAF00340	1-3/8"
UAF00335	1-1/8"		
<b>SOLDER - BALL TYPE</b>			
UBF00000	3/8"	UBF00015	7/8"
UBF00005	1/2"	UBF00020	1-1/8"
UBF00010	5/8"		



BALL VALVES - DANFOSS				
CATALOGUE NUMBER	CONNECTION SIZE	OVERALL LENGTH (mm)	WEIGHT (kg)	DANFOSS PART NO.
<b>SOLDER VALVE C/W ACCESS PORT</b>				
UBA00000	1/4"	140	0.11	009G5050
UBA00005	3/8"	140	0.27	009G5051
UBA00010	1/2"	161	0.27	009G5052
UBA00015	5/8"	161	0.27	009G5053
UBA00020	3/4"	189	0.67	009G5054
UBA00025	7/8"	189	0.59	009G5055
UBA00030	1-1/8"	214	1.30	009G5056
UBA00035	1-3/8"	251	1.45	009G5057
UBA00040	1-5/8"	279	2.15	009G5058
UBA00045	2-1/8"	305	3.58	009G5059
UBA00050	2-5/8"	305	3.76	009G5066



TECHNICAL DATA			
Refrigerants	CFC, HCFC, HFC	Permissible working pressure	35 bar
Temperature of medium	-40 to +150°C	Maximum pressure	45 bar
Ambient Temperature	-50 to +80°C		

### Features

- Flow without pressure drop
- 1/4 turn from fully open to fully closed
- Rotation stop for fully open and fully closed
- Arrow on spindle top to indicate valve closed or open
- Can be panel mounted
- Bi-Directional flow, which means valve orientation is unimportant
- Hermetically sealed welded construction
- Burst-Proof spindle design
- The valve design prevents liquids from being trapped internally

# Valves – cont'd

## PRESSURE RELIEF VALVES

CATALOGUE NUMBER	CONNECTION SIZE		PRESSURE SETTINGS		
	INLET	OUTLET	Mpa	kPa	PSIG
<b>MALE FLARE SIDE TO MALE BSP BOTTOM</b>					
UBC00240	1/4" MNPT	3/8" MF	2.41	2413	350
UBC00245			2.76	2758	400
UBC00250			3.00	3000	435
UBC00255	3/8" MNPT	1/2" MF	2.07	2069	300
UBC00260			2.41	2413	350
UBC00265			2.76	2758	400
UBC00270			3.00	3000	435
UBC00275	1/2" MNPT	5/8" MF	2.07	2069	300
UBC00280			2.41	2413	350
UBC00285			2.76	2758	400
UBC00290			3.00	3000	435
UBC00295			3.10	3103	450
UBC00300	3/4" MNPT	3/4" FNPT	2.07	2069	300
UBC00305			2.76	2758	400
UBC00310			3.00	3000	435



## PRESSURE RELIEF VALVE ADAPTERS (Must be ordered separately)

PRODUCT NUMBER	CONNECTION SIZE	PRODUCT NUMBER	CONNECTION SIZE
<b>NPT TO BSP CONVERSION</b>			
RAH01245	1/4" FNPT X 1/4" MBSP	RAH01040	1/2" FNPT X 1/2" MBSP
RAH01035	3/8" FNPT X 3/8" MBSP	RAH01045	3/4" FNPT X 3/4" MBSP



## 3-WAY DUAL SHUT-OFF VALVES

CATALOGUE NUMBER	CONNECTION SIZE	MAXIMUM WORKING PRESSURE kPa (PSIG)	TEMPERATURE RANGE °C
UBC00225	1/2" FPT	3100 (450)	-29°C to +150°C

Used in dual relief or drier bypass installations where simultaneous opening of one line and closing of another is required. In a 3-way shut-off valve, the two pressure relief valves are arranged so that both cannot be shut-off simultaneously from the vessel being protected. This enables removal of either valve for repair while protecting the vessel under pressure. With the valves stem set either in the fully in or fully out position, the valve provides full discharge through the valve regardless of the stem position, ensuring maximum protection. **Under no circumstances should the stem be set in the centre position.**

## RECEIVER VALVES - VERTICAL

CATALOGUE NUMBER	CONNECTION SIZE	PRODUCT NUMBER	CONNECTION SIZE
UBE00115	1/4" MF X 1/4" MBSP	UBE00145	1/2" MF X 3/8" MBSP
UBE00120	1/4" MF X 3/8" MBSP	UBE00150	1/2" MF X 1/2" MBSP
UBE00130	3/8" MF X 1/4" MBSP	UBE00155	5/8" MF X 1/2" MBSP
UBE00135	3/8" MF X 3/8" MBSP	UBE00160	5/8" MF X 3/4" MBSP
UBE00140	3/8" MF X 1/2" MBSP		



## ACCESS VALVES

All valves have 1/4" MF connections and are supplied with built-in cores and brass caps

CATALOGUE NUMBER	DESCRIPTION
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### COPPER TAILS

UBG00000	1/4" MF complete with 2" extended tail - 1/8" O.D.
UBG00015	1/4" MF complete with 2" extended tail - 3/16" O.D.
UBG00005	1/4" MF complete with 2" extended tail - 1/4" O.D.
UBG00010	1/4" MF complete with 2" extended tail - 1/4" O.D.
UBG00020	1/4" MF complete with 4" extended tail - 1/4" O.D.
UBG00025	1/4" MF complete with 2" extended tail - 3/8" O.D.



### BRASS BODY WITH SOLDER CONNECTIONS

UBG00035	1/4" MF with 1/8" Solder connection
UBG00040	1/4" MF with 3/16" & 3/8" Solder connections
UBG00045	1/4" MF with 1/4" & 3/8" Solder connections
UBG00050	1/4" MF with 1/4" NPT & 1/4" Solder connections
UBG00055	1/4" MF with 1/4" & 3/8" Solder connections
UBG00060	1/4" MF with 3/16, 1/4 & 5/16 Solder connections



# Valves & vibration eliminators

## ACCESS VALVES - Cont'd

CATALOGUE NUMBER	CONNECTION SIZE
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### SOLDER & SWIVEL TEE CONNECTIONS

UBG00065	1/4" Solder Tee
UBG00070	1/4" Solder Tee

### VALVE CORES & CAPS

UBG00075	Access Valve Core
UBG00080	Seal Cap complete with 6 Cores
SED00065	Cap Quick Seal

### ACCESS VALVE TOOLS & ACCESSORIES

SAD00130	Core Removal Tool
SAD00135	Core Removal Tool complete with 3 Cores
SAD00140	Dual Valve Core Removal Tool
SAD00145	Replacement Tip for TLVC Core Remover Tool
UBG00090	Quik Coupler Valve with 90° depressor

## PIERCING & LINE TAP VALVES

CATALOGUE NUMBER	MANFRS NUMBER	DESCRIPTION
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UBG00105	BTV-1	<b>Watsco Clamp-On Line Tapping Valves</b> These Clamp-On Line Tapping Valves clamp to copper tube with three hexagon head screws and seal to the tube with an "O" ring imbedded in the body of the valve. A hexagon key is included with each valve for tightening the clamping screws, screwing in the piercing needle and opening and closing the valve. For 1/4", 5/16" & 3/8" O.D. Tubing For 1/2" & 5/8" O.D. Tubing
UBG00110	BTV-2	

UBG00095	BPV-21	<b>Supco Bullet® Piercing Line Valve</b> The Bullet® Piercing Valve utilizes the same type of gasket found under the head plate of most compressors. When installed, the gasket actually compresses the copper tubing .020" creating a permanent leakproof seal that will withstand any pressure and temperature for the life of the unit. Installed on the high-side as a permanent valve on the job, round suction lines or even uneven tubing - the Bullet® Piercing Valve will not leak. Supplied with an hexagon key, no additional tools are required. Needs only 50mm clearance for installation and operation. Corrosion resistant laquered finish is applied to all valves. For 1/2" & 5/8" O.D. Tubing For 1/4", 5/16" & 3/8" O.D. Tubing
UBG00100	BPV-31	

## VIBRATION ELIMINATORS

### SUITABLE FOR ALL HFC/HCFC/CFC REFRIGERANTS (Not ammonia)

CATALOGUE NUMBER	CONNECTION SIZE O.D.	FLEXIBLE HOSE SIZE I.D.	OVERALL LENGTH		MAX. OPERATING PRESSURE (kPa/PSI)
			INCHES	mm	

### PACKLESS

UHB00000	3/8"	3/8"	8-1/4"	210	3447 / 500
UHB00005	1/2"	3/8"	9"	229	3447 / 500
UHB00010	5/8"	1/2"	9-3/4"	248	3447 / 500
UHB00015	3/4"	3/4"	11-1/4"	286	3447 / 500
UHB00020	7/8"	3/4"	11-1/2"	292	3447 / 500
UHB00025	1-1/8"	1"	13"	330	3447 / 500
UHB00030	1-3/8"	1-1/4"	14-3/4"	375	3447 / 500
UHB00035	1-5/8"	1-1/2"	17"	432	3447 / 500
UHB00040	2-1/8"	2	20"	508	3447 / 500
UHB00045	2-5/8"	2-1/2"	24"	610	2344 / 340

Maximum Test Pressure: 1-1/2 times Operating Pressure shown above.

Minimum Burst Pressure: 5 times Operating Pressure shown above.

- Vibration eliminators are used in the suction and discharge lines of refrigeration and air conditioning systems.
- They are most effective when installed as close as possible to the compressor, preferably in a horizontal position (but not essential), with the refrigerant line anchored at the furthest end from the source of vibration.
- Care should be taken to ensure that the vibration eliminator is not under static tension after soldering in place. They are not designed to compensate for lines that are out of alignment, so make sure lines are straight and in in line.
- High temperature alloys are used in manufacturing, but when welding have the torch flame directed away from the ferrules at each end.

