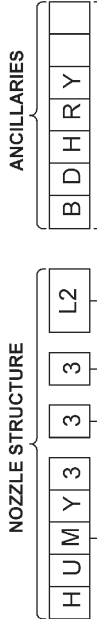


## HU3000 SERIES WITH Mk6 SURGE CONTROLLER



- Choice of three different types of handle
- Six slot engagement for easier coupling location overhead
- Common flanges allow for full interchangeability of components
- Option of selectivity and 90 deg elbow for 2 1/2in. hydrant systems
- Nose seal replaceable without depressurising
- Blockout feature for testing Surge controller
- All units complete with cap
- Bonding cable also available
- Serviceability: designed for quick and easy maintenance

# HUMY3000 SERIES HOSE UNIT - CODING CHART



BASIC NUMBER	
DESCRIPTION	PART No.
LEVER OPERATED HOSE UNIT	HUMZ3432

SURGE CONTROLLER/ADAPTOR		
CODE	DESCRIPTION	PART No.
0	NO SURGE CONTROLLER	-
2	45 PSI MAX. DOUBLE SURGE CONTROLLER	HUMZ3504
3	30 PSI MAX. SURGE CONTROLLER	HUMZ3501
4	45 PSI MAX. SURGE CONTROLLER	HUMZ3503
5	50 PSI MAX. SURGE CONTROLLER	HUMZ3500
6	55 PSI MAX. SURGE CONTROLLER	HUMZ3502

ADAPTORS		
CODE	DESCRIPTION	PART No.
0	NO ADAPTOR/SWIVEL	-
1	STANDARD ADAPTORING SWIVEL	HUMZ3354
2	FLIGHT REFUELING ADAPTOR	HUMZ3356
3	90° ELBOW ADAPTOR	HUMZ3355

HOSE UNITS							
CODE	DESCRIPTION	THREAD OPTIONS AND CODES					
		1	2	3	4	5	6
L	QUICK DISCONNECT ISOLATING VALVE LOCKING SCREW TYPE	HUMZ3671	HUMZ3670	HUMZ3673	HUMZ3672	HUMZ3674	HUMZ3675
O	STANDARD QUICK DISCONNECT	HUMZ4412	HUMZ4413	HUMZ4414	HUMZ4415	HUMZ4416	HUMZ4417
S	SWIVEL HOSE CONNECTOR	HUMZ2415	HUMZ2416	HUMZ2417	HUMZ2418	HUMZ2419	HUMZ2420
V	QUICK DISCONNECT ISOLATING VALVE PUSH BUTTON TYPE	HUMZ3387	HUMZ3386	HUMZ3389	HUMZ3388	HUMZ3391	HUMZ3390

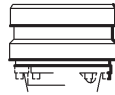
ANCIILLARIES			
CODE	DESCRIPTION	PART No.	REMARKS
B	BONDING CABLE	HUMZ1366	
D	DUST CAP - STANDARD	HUMZ4362	ALL BUILDS EXTERNAL & INTERVAL - SELECTIVE (AND NON-SELECTIVE.)
E	WEAR GAUGE	HUSZ3602	
H	VACUUM RELIEF VALVE 10" Hg	HUMZ3035-1	
J	VACUUM RELIEF VALVE 15" Hg	HUMZ3035-2	
K	VACUUM RELIEF VALVE 22" Hg	HUMZ3035-3	
M	SELECTIVITY, POSITIONS 1, 2 & 3	HUMZ3424	FACTORY SET TO POSITION 1
N	SELECTIVITY, POSITIONS 4 & 5	HUMZ3425	FACTORY SET TO POSITION 4
P	PROTECTION RING	HUFZ3803	NOT REQUIRED IF RING HANDLES ARE FITTED. REQUIRED ON BUILDS WITH NO SURGE CONTROLLER.
R	9° SPREAD HANDLE	HUMZ3607	
T			
W	NO-HANDLES FITTED		
C	STICK HANDLE	HUMZ3508	
Y	FUEL STRAINER ASSY (100 MESH)	HUSZ3312	
Z	EXTREME COLD WEATHER SEALS		FLUORO-SILICON SEALS REPLACING STANDARD FLUORO-CARBON SEALS (FITTED AS KIT-SES)

**NOTES :-**

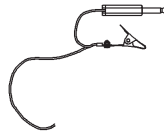
- HOSE UNITS COMPLETE WITH ALL ANCIILLARIES. TO BE TESTED TO TEST SCHEDULE TS 16 AND SUPPLIED ASSEMBLED TOGETHER.
- HOSE UNITS INCORPORATING SURGE CONTROLLERS MAY BE TESTED TO TEST SCHEDULE TS 20 (DYNAMIC TESTING), IF SPECIFIED BY CUSTOMER.
- FOR REFERENCE ONLY RECOMMENDED FITTINGS FOR BLOCKING OUT SURGE CONTROLLERS ARE AS FOLLOWS :-  
 ZMWZ3200-01 GAMMON MILLIPORE VENT PORT ADAPTOR (PART NUMBER - GTP - 771)  
 ZMWZ3200-02 GAMMON MILLIPORE VENT PORT ADAPTOR (PART NUMBER - 235 - 3/8 AH)  
 ZMWZ3200-06 GAMMON MILLIPORE JET TEST SHORT (PART NUMBER - GTP - 781)  
 ZMWZ3202-07 GAMMON MILLIPORE VENT PORT ACTUATOR (PART NUMBER - GTP - 781)  
 4 ALL 1/4" UNC SKT CAP HEAD SCREWS TO BE TIGHTENED USING A TORQUE SETTING OF 5 LB FT.  
 5 P.E.D NAMEPLATE TO BE LOCKED WIRED TO UNIT.



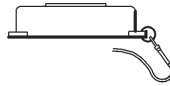
SELECTIVITY SLEEVE



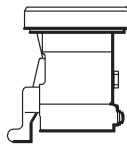
BONDING CABLE



DUST CAP



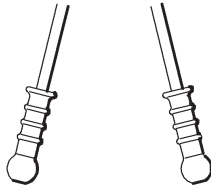
LEVER OPERATED HOSE UNIT



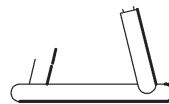
VACUUM RELIEF VALVE



STICK HANDLE



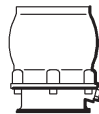
RING HANDLE



55 PSI DOUBLE SURGE CONTROLLER/ ADAPTOR



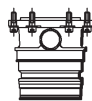
SURGE CONTROLLER/ ADAPTOR



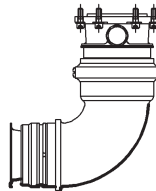
PROTECTION RING



STRAINER



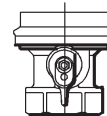
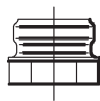
SWIVEL



LIGHTWEIGHT QUICK DISCONNECT



ADAPTOR PROFILE



ISOLATION VALVE

## SPECIFICATION

### PRESSURE RATING

Max Working Pressure:	10.3 bar(150psi)
Test Pressure:	15.5 bar (225 psi)
Max. Flow Rate:	1895 lpm
	420 lgpm
	500 US gpm

### PRESSURE DROP (including aircraft adaptor)

Nozzle with quick-disconnect and 100 mesh strainer at 1895 lpm. 1.03 bar (14.9 psi)

As above plus surge-controller. 1.79 bar (26.0 psi)

### STRENGTH

After rigorous testing, including a six-foot drop test with full hose connected, the units continue to operate satisfactorily.

### COMPATIBILITY

British Standard Aerospace Specification 2C14.  
International Standards Organisation ISO R45.  
NATO Stanag 3105.

### APPROVED BY

Major oil companies.

### LENGTH

Complete nozzle, surge controller and quick disconnect 254mm (10 inch)

Extra fitted with surge Controller 127mm (6 inch)

### MATERIALS

Materials in contact with the fuel are anodised aluminium alloy, stainless steel, PTFE Viton and high nitrile rubber.

### WEIGHTS

Complete nozzle and swivel adaptor 4.14Kg (9.13lb)

Extra, fitted with Surge controller 1.47Kg (3.25lb)

Extra, with swivel quick-disconnect 0.73g (1.62lb)

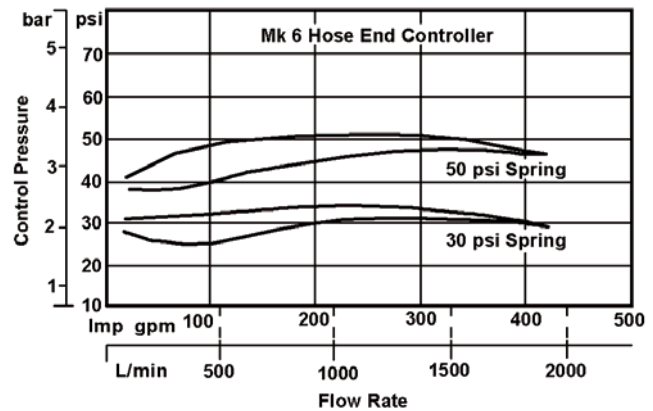
### OPERATING TEMPERATURES

Maximum. 60 deg C

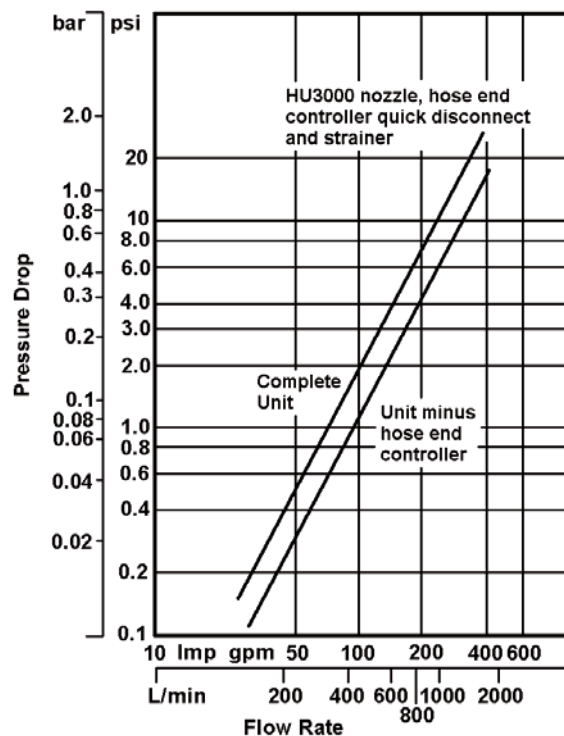
Minimum: -20 deg C

## TYPICAL PERFORMANCE CURVES

Pressure Control



Pressure Drop



Eastern Petroleum Supplies Ltd  
New House Farm, Maldon Road  
Steeple. UK CM0 7RR

Tel + 44 (0) 1621 773292  
Fax + 44 (0) 1621 772353  
E-Mail info@easternsupplies.co.uk  
Web www.easternsupplies.co.uk

MEGGITT